

FCC PART 15.247

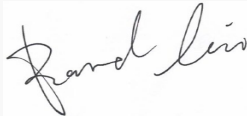
TEST REPORT

For

AVIC Leihua Rockwell Collins Avionics Company

1st Floor, Building A5, No. 777, West Jianzhu Road, Binhu District, Wuxi City, Jiangsu Province, China

FCC ID: 2BU3XFLYSYNC-PRO

Report Type: Original Report	Product Name: USB Dongle
Report Number: <u>RKSB260804001-00B</u>	
Report Date: <u>2026-10-21</u>	
Reviewed By: <u>Bard Liu</u>	
Approved By: <u>Kyle Xu</u>	
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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	RKSB260804001-00B	R1V1	2026-10-21	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	AVIC Leihua Rockwell Collins Avionics Company
Tested Model:	FlySync Pro
Product Name:	USB Dongle
Power Supply:	DC 5V
RF Function:	2.4G Wi-Fi
Operating Band/Frequency:	2412~2462 MHz(802.11b/g/n20), 2422~2452 MHz(802.11n40)
Maximum Peak Output Power:	802.11b: 13.31 dBm 802.11g: 18.91 dBm 802.11n20: 18.55 dBm 802.11n40: 19.44 dBm
Channel Number:	2.4G Wi-Fi: 11(802.11b/g/n20), 7(802.11n40)
Channel Separation:	5 MHz
Modulation Type:	DSSS, OFDM
★Maximum Antenna Gain:	4.9 dBi
Sample/EUT Status	Good condition

All measurement and test data in this report was gathered from production sample serial number: RKS260804001-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2026-08-04.)

Objective

This report is prepared for *AVIC Leihua Rockwell Collins Avionics Company* 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 58074 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:

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, 802.11n20 mode, EUT was tested with Channel 1, 6 and 11.

For 802.11n40 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

Test software: QATool_Dbg

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

Mode	Data Rate	Channel	★Power Level
802.11b	1 Mbps	Low	1E
		Middle	1E
		High	1E
802.11g	6 Mbps	Low	1A
		Middle	1A
		High	1A
802.11n20	MCS0	Low	19
		Middle	19
		High	19
802.11n40	MCS0	Low	12
		Middle	12
		High	12

Note: The power level was declared by the applicant.

Environmental Conditions & Test Information

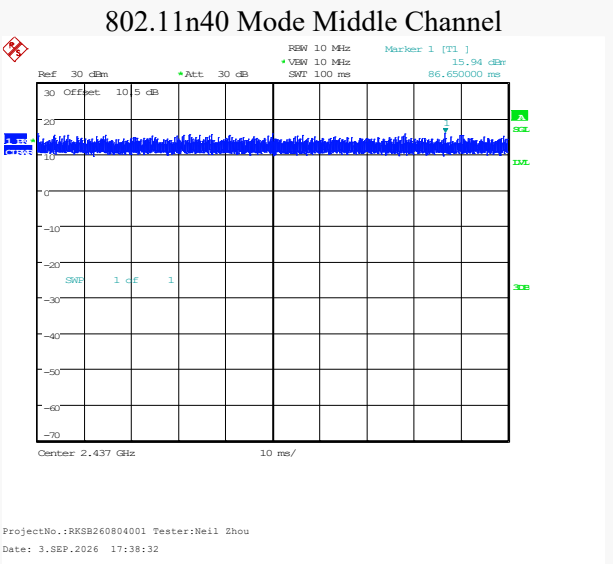
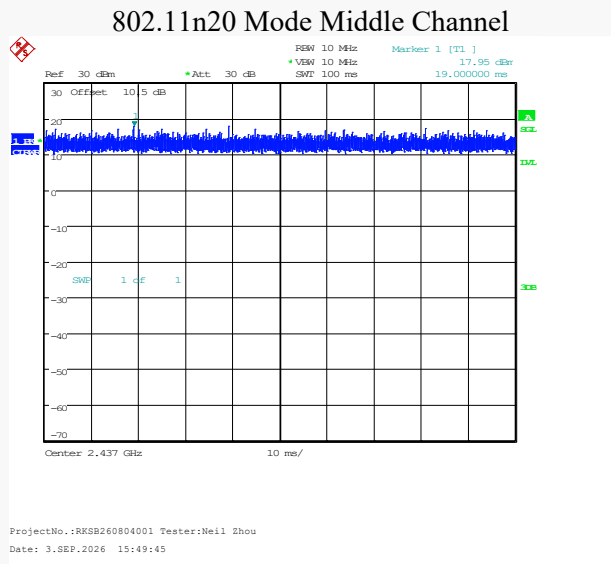
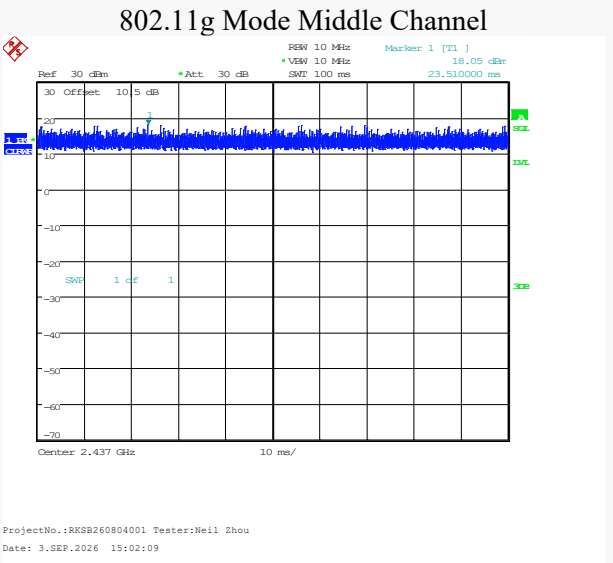
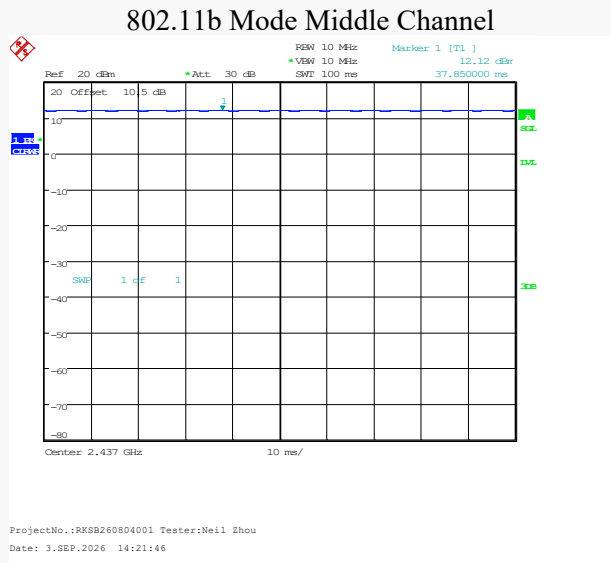
Test Date:	2026-09-03
Temperature:	21.3 °C
Relative Humidity:	50 %
ATM Pressure:	101.1 kPa
Test Engineer:	Neil Zhou

Mode	Ton(ms)	Ton+off(ms)	Duty Cycle (%)	10log(1/x) (dB)
802.11b	100	100	100	/
802.11g	100	100	100	/
802.11n20	100	100	100	/
802.11n40	100	100	100	/

Note:

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

Duty Cycle:

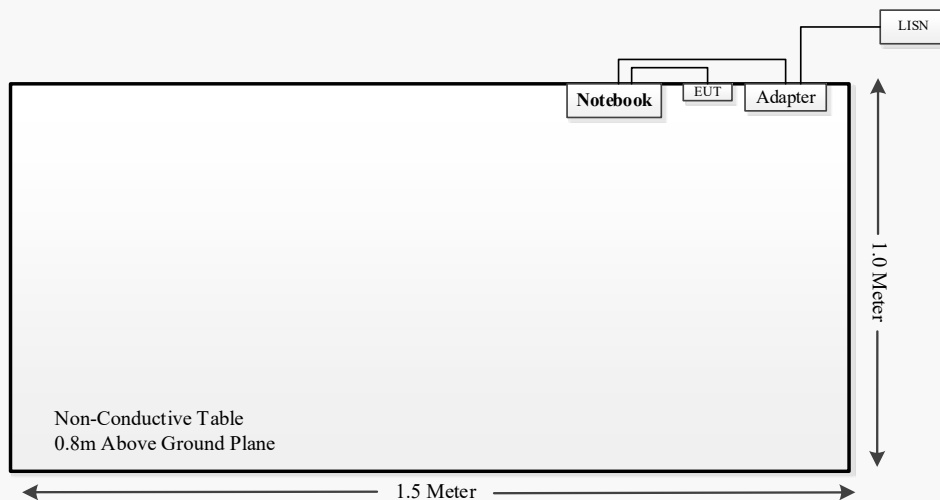


Support Equipment List and Details

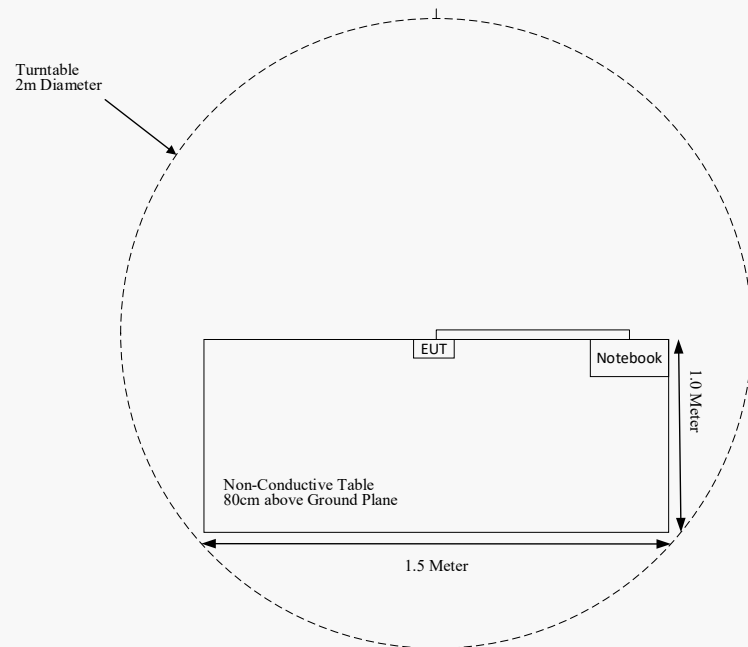
Manufacturer	Description	Model	Serial Number
/	Debug board	/	/
Lenovo	Notebook	Y700P	PF2B7PL5
Lenovo	Adapter	ADLX65NLC3	/

External I/O Cable

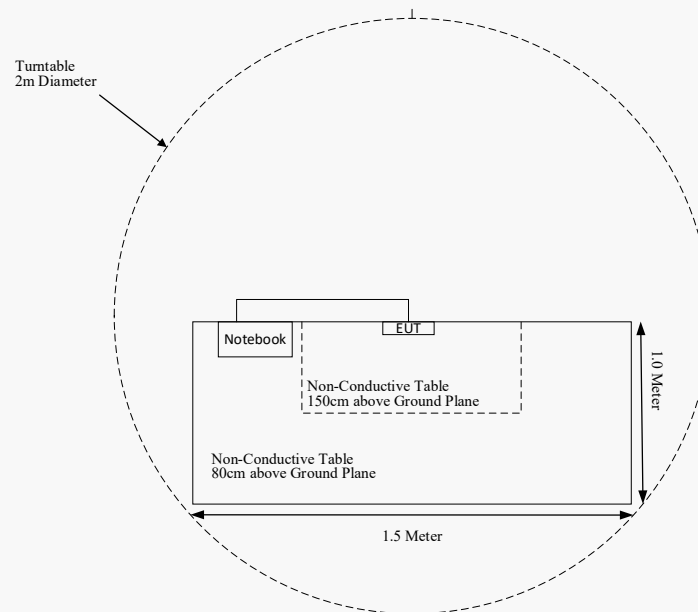
Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.5	Adapter	Notebook
Power Cable 2	1.0	Adapter	LISN
USB Cable	1.5	EUT	Notebook

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 & §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	2026-03-13	2027-03-12
Sunol Sciences	Hybrid Antenna	JB3	A090314-2	2024-10-29	2027-10-28
BACL	Active Loop Antenna	1313-1A	4041511	2025-08-10	2028-08-09
Narda	6 dB Attenuator	771-6	10690812-2-1	2024-10-29	2027-10-28
Sonoma Instrument	Pre-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-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
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2026-04-08	2027-04-07
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
SELECTOR	Amplifier	EM18G40G	60726	2026-03-16	2027-03-15
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-25	025	2026-03-12	2027-03-11
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
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSU26	200103	2026-03-16	2027-03-15
Narda	Attenuator	10dB	010	2026-03-16	2027-03-15
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 §1.1307(b) & §2.1093 –RF EXPOSUE

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.

Note: For 2.4G Wi-Fi, please reference report RKSB260804001-20B.

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 has an FPC antennas for 2.4G Wi-Fi, which was permanently attached to the EUT, fulfill the requirement of this section Please refer to the EUT photos.

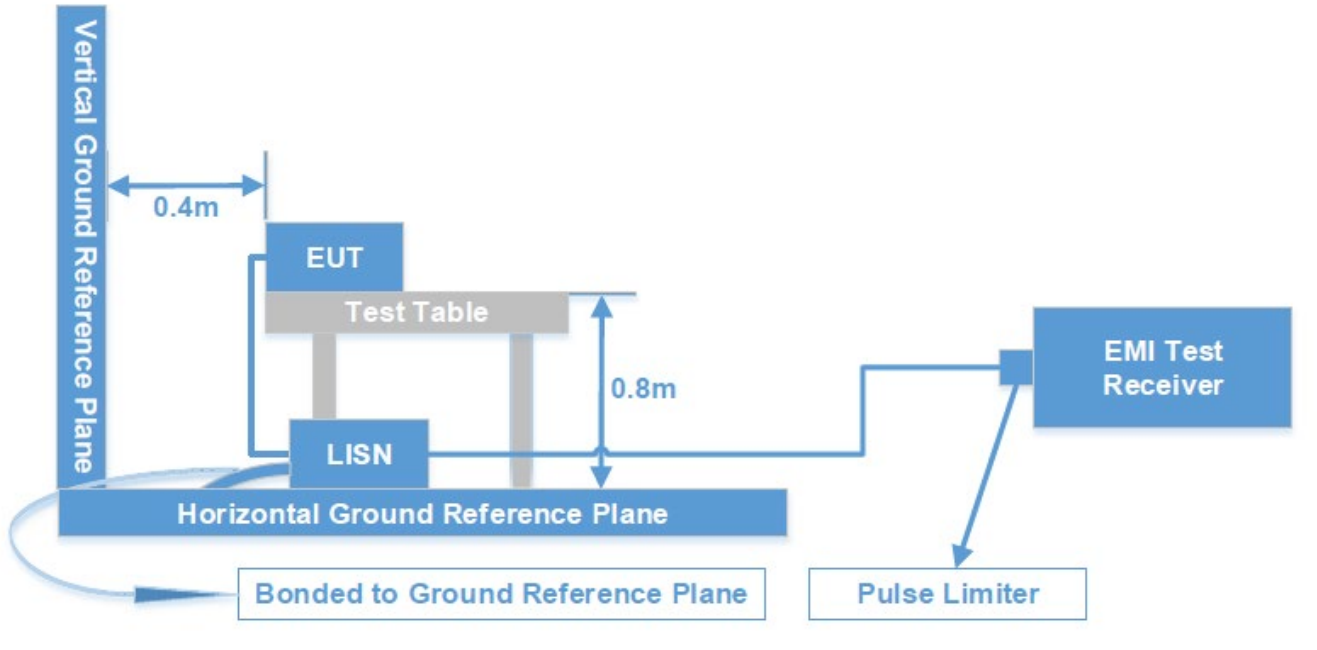
Result: Compliant.

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

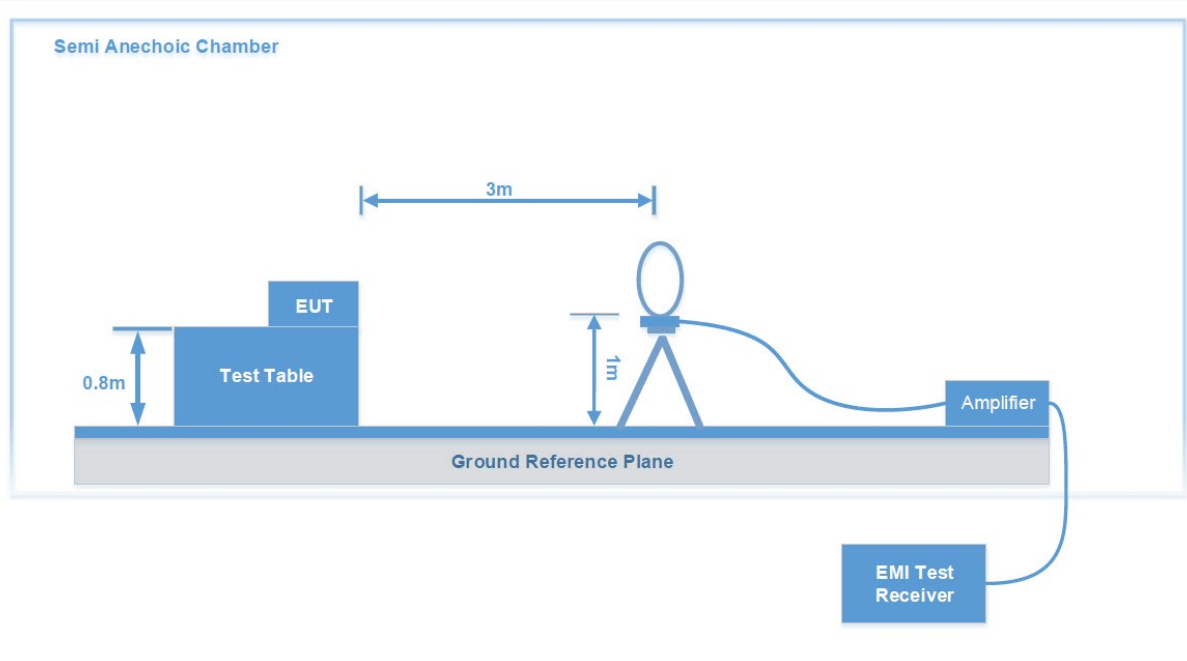
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

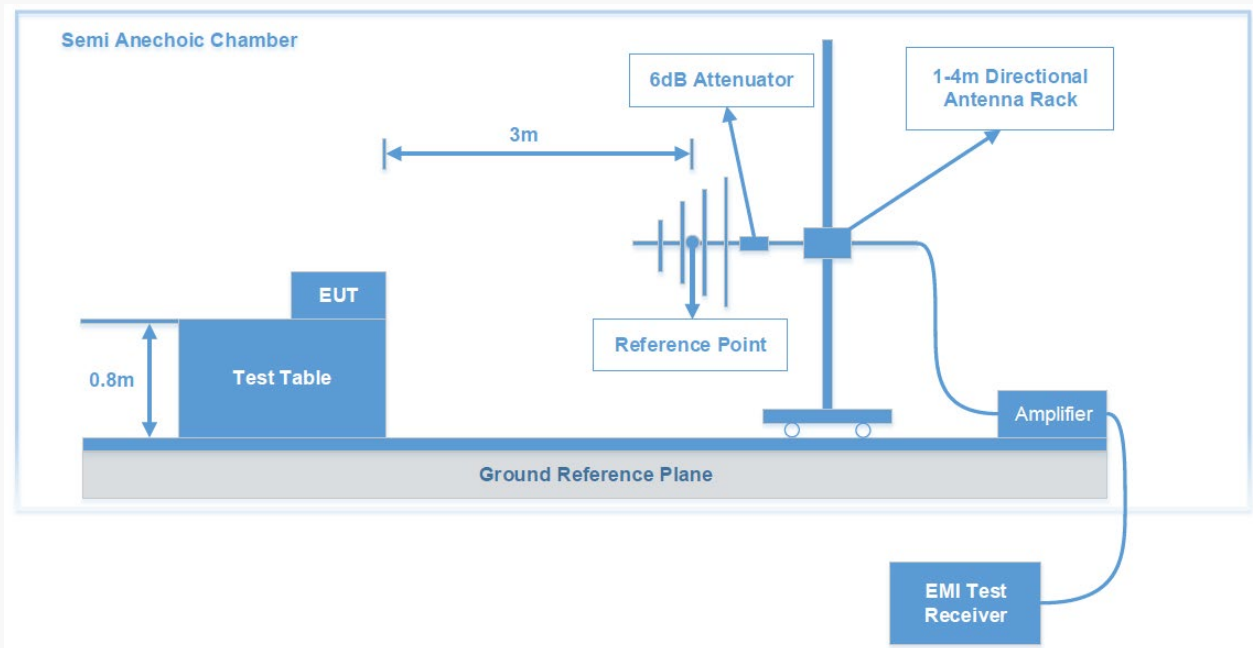
FCC §15.247 (d); §15.209; §15.205;

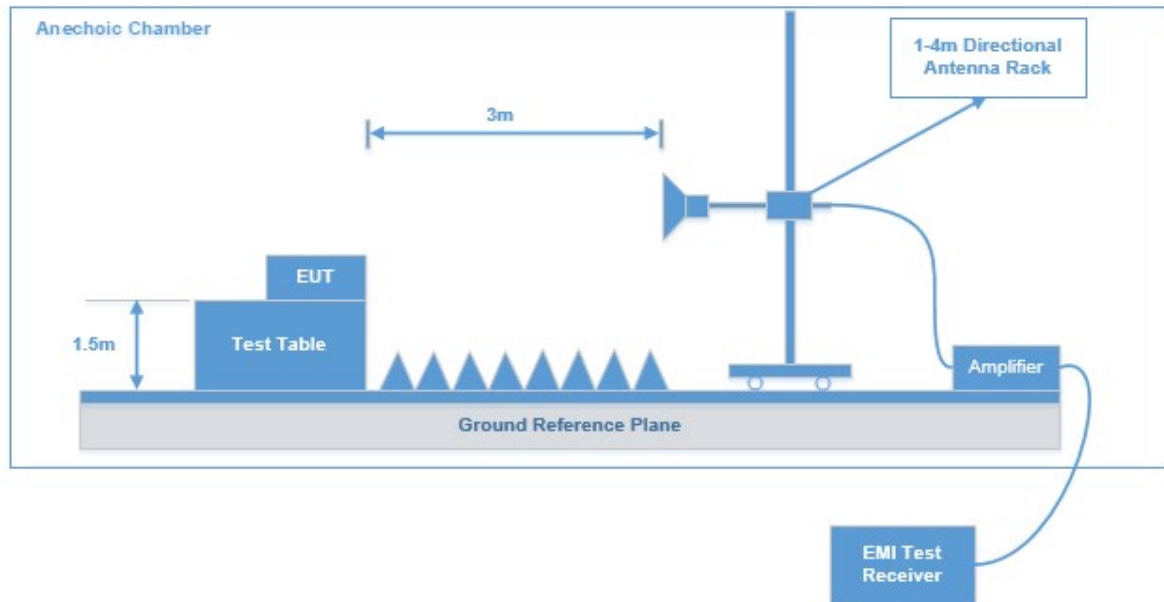
Test System Setup

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

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

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

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

Test Results Summary

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

Test Data: See Appendix

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

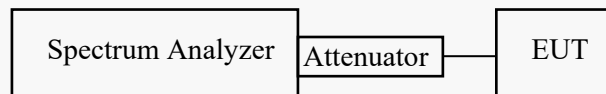
Applicable Standard

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

Test Procedure

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

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



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

Test Data: See Appendix

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

Applicable Standard

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

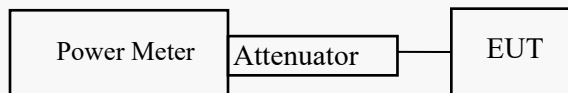
Test Procedure

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

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

11.9.2.3.2 Method AVGPM-G

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



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

Test Data: See Appendix

FCC §15.247(D) – 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE & CONDUCTED SPURIOUS EMISSION

Band Edges

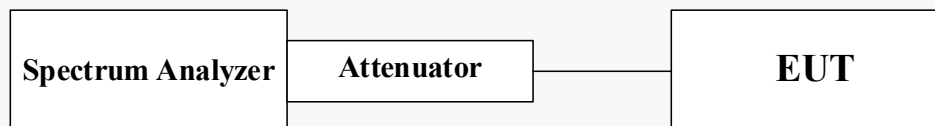
Applicable Standard

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

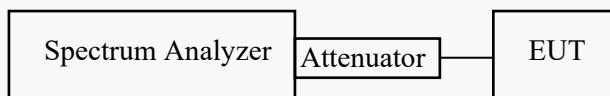
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the 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: the offset(13dB)=Attenuator (10dB) + Cable loss (3dB)

Test Data: See Appendix

FCC §15.247(E) - POWER SPECTRAL DENSITY

Applicable Standard

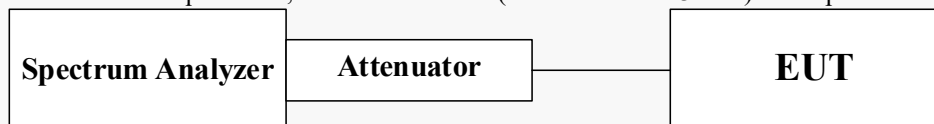
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of 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)

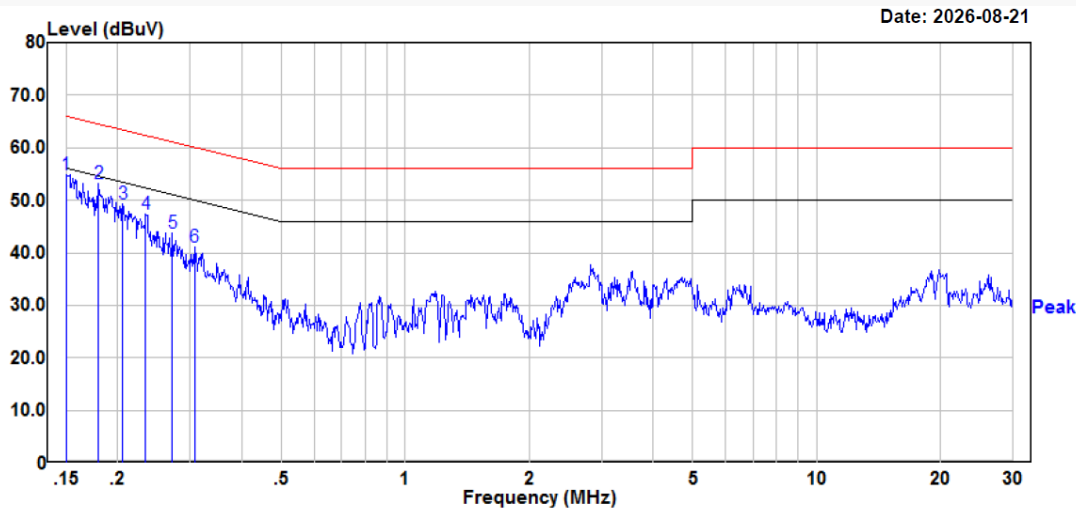
Test Data: See Appendix

APPENDIX - TEST DATA

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

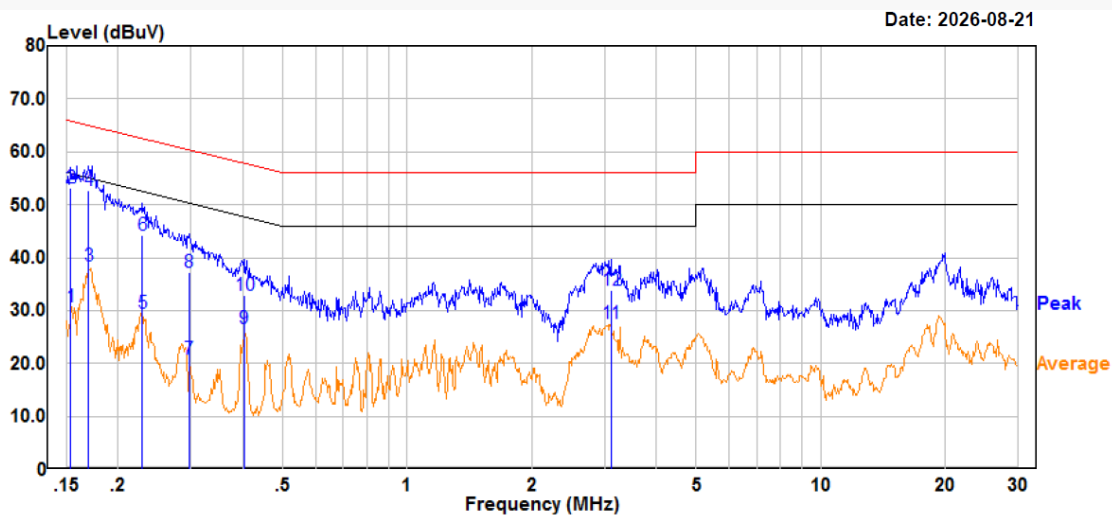
Test Date:	2026-08-21
Temperature:	25.6 °C
Relative Humidity:	57 %
ATM Pressure:	100.9 kPa
Test Result:	Pass
Test Engineer:	Myles Miao

EUT operation mode: Transmitting in maximum output power mode and 802.11n40 mode high channel



Site : CE
Condition : limit\FCC PART 15.207
: DET:Peak
Project No. : RKS260804001
Model : Flysync Pro
Phase : L
Voltage : 120V/60Hz
Mode : 2.4G WIFI
Test Equipment : ENV216,ESR3
Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
Temperature : 25.6°C
Humidity : 57%
Atmospheric pressure: 100.9kPa
Test Engineer : Myles Miao
Check by : Loki Shi

	Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.150	34.44	20.39	54.83	66.00	-11.17 Peak
2	0.179	32.66	20.41	53.07	64.51	-11.44 Peak
3	0.205	28.88	20.41	49.29	63.39	-14.10 Peak
4	0.234	26.94	20.40	47.34	62.32	-14.98 Peak
5	0.271	23.45	20.40	43.85	61.07	-17.22 Peak
6	0.307	20.62	20.40	41.02	60.04	-19.02 Peak



Trace: 1

Site : CE
 Condition : limit\FCC PART 15.207
 : DET:Peak
 Project No. : RKS260804001
 Model : Flysync Pro
 Phase : N
 Voltage : 120V/60Hz
 Mode : 2.4G WIFI
 Test Equipment : ENV216,ESR3
 Receiver Setting : RBW: 9 kHz, Sweep Time: Auto
 Temperature : 25.6°C
 Humidity : 57%
 Atmospheric pressure: 100.9kPa
 Test Engineer : Myles Miao
 Check by : Loki Shi

		Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.154	10.20	20.41	30.61	55.79	-25.18	Average
2	0.154	32.80	20.41	53.21	65.79	-12.58	QP
3	0.170	18.00	20.41	38.41	54.96	-16.55	Average
4	0.170	32.40	20.41	52.81	64.96	-12.15	QP
5	0.229	9.01	20.41	29.42	52.48	-23.06	Average
6	0.229	23.91	20.41	44.32	62.48	-18.16	QP
7	0.297	0.40	20.41	20.81	50.33	-29.52	Average
8	0.297	16.80	20.41	37.21	60.33	-23.12	QP
9	0.402	6.10	20.41	26.51	47.80	-21.29	Average
10	0.402	12.50	20.41	32.91	57.80	-24.89	QP
11	3.106	7.20	20.46	27.66	46.00	-18.34	Average
12	3.106	13.50	20.46	33.96	56.00	-22.04	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:	2026-08-19	2026-08-19	2026-08-20	2026-08-20
Temperature:	25.4℃	25.4℃	26.0℃	26.0℃
Relative Humidity:	53 %	53 %	49%	49%
ATM Pressure:	101.1 kPa	101.1 kPa	101.2kPa	101.2kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Scarf Yang	Scarf Yang	Destine Hu	Hugh Wu

Test Result: Compliant

Test results are recorded as follows :

EUT operation mode: Transmitting

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

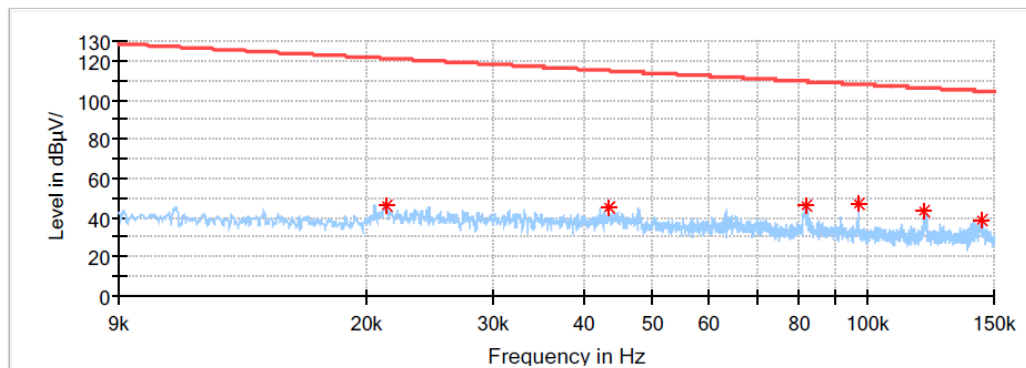
9 kHz-150kHz: (Transmitting in maximum output power mode 802.11n40 mode high channel)

Parallel(worst case)

High Channel: 2452MHz

Common Information

Project No:	RKSB260804001
EUT Model:	Flysync Pro
Test Mode:	Transmitting in 802.11n40 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:	101.1kPa
Test Engineer:	Scar Yang
Check by:	Loki Shi
Test Date:	2026/8/19



Critical_Freqs

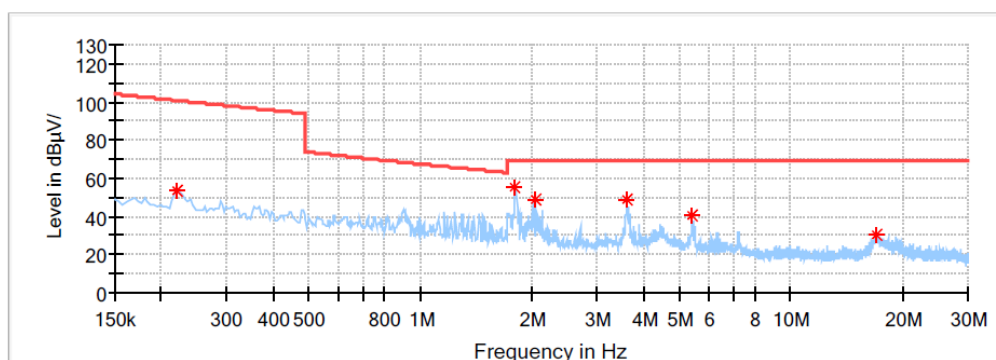
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.021302	46.45	121.03	74.58	Parallel	-0.1
0.043527	45.03	114.82	69.80	Parallel	-2.2
0.081756	46.24	109.35	63.11	Parallel	-6.9
0.096878	46.99	107.88	60.89	Parallel	-8.2
0.119791	43.32	106.03	62.72	Parallel	-9.3
0.143990	38.42	104.43	66.02	Parallel	-10.4

150 kHz-30MHz: (Transmitting in maximum output power mode 802.11n40 mode high channel)
Parallel(worst case)

High Channel: 2452MHz

Common Information

Project No:	RKSB260804001
EUT Model:	Flysync Pro
Test Mode:	Transmitting in 802.11n40 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:	101.1kPa
Test Engineer:	Scarf Yang
Check by:	Loki Shi
Test Date:	2026/8/19

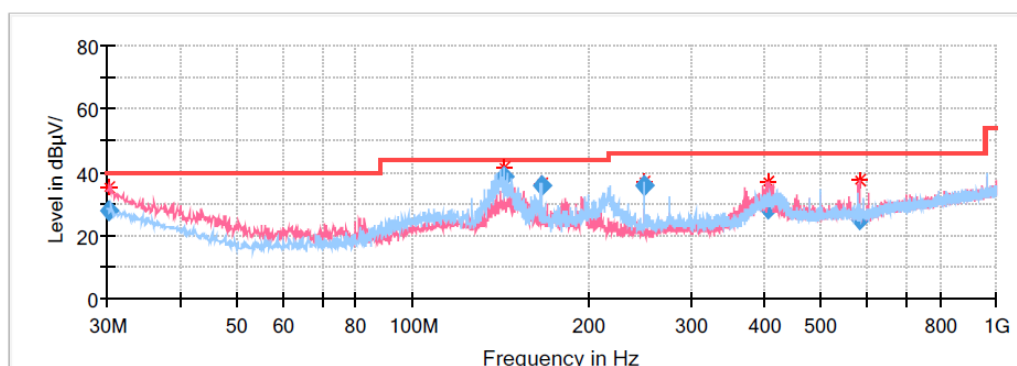


Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
0.220894	53.44	100.60	47.16	Parallel	-13.7
1.795481	55.14	69.54	14.40	Parallel	-29.8
2.041744	48.90	69.54	20.64	Parallel	-30.5
3.601406	48.55	69.54	20.99	Parallel	-31.1
5.403600	41.03	69.54	28.51	Parallel	-31.5
16.959281	30.88	69.54	38.66	Parallel	-32.6

30MHz-1GHz (Transmitting in maximum output power 802.11n40 mode high channel):**High Channel: 2452MHz****Common Information**

Project No: RKSB260804001
EUT Model: Flysync Pro
Test Mode: Transmitting in 802.11n40 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°C
Humidity: 53%
Barometric Pressure: 101.1kPa
Test Engineer: Scarf Yang
Check by: Loki Shi
Test Date: 2026/8/19

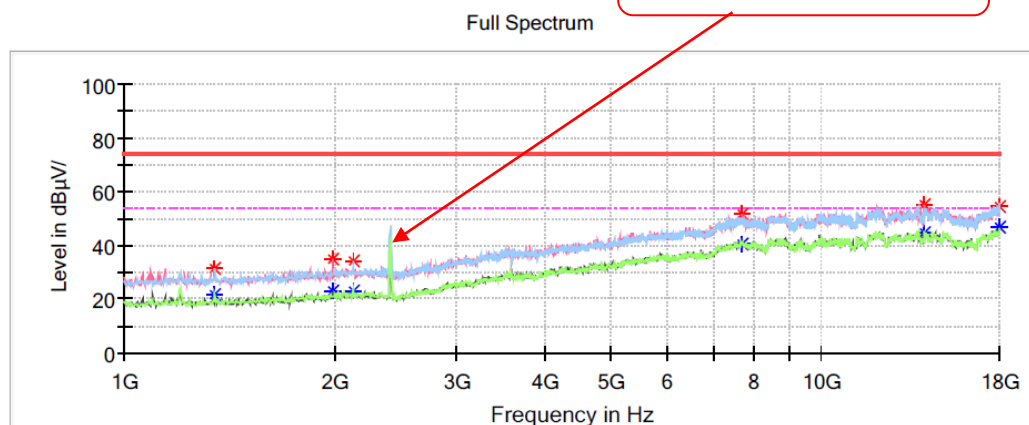
**Final Result**

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
30.242500	28.00	40.00	12.00	V	-5.0
143.247500	38.54	43.50	4.96	H	-11.2
166.042500	35.60	43.50	7.90	H	-12.1
249.947500	35.60	46.00	10.40	H	-11.9
406.481250	28.37	46.00	17.63	V	-7.8
585.203750	25.08	46.00	20.92	V	-4.6

1GHz-18GHz:**802.11b Mode:****Low Channel: 2412MHz****Common Information**

Project No:	RKSB260804001
EUT Model:	FlySync Pro
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:	26.0°C
Humidity:	49%
Atmospheric Pressure:	101.2kPa
Test Engineer:	Destine Hu
Check by:	Loki Shi
Test Date:	2026/8/20

Fundamental Test with
Band Reject Filter

**Critical_Freqs**

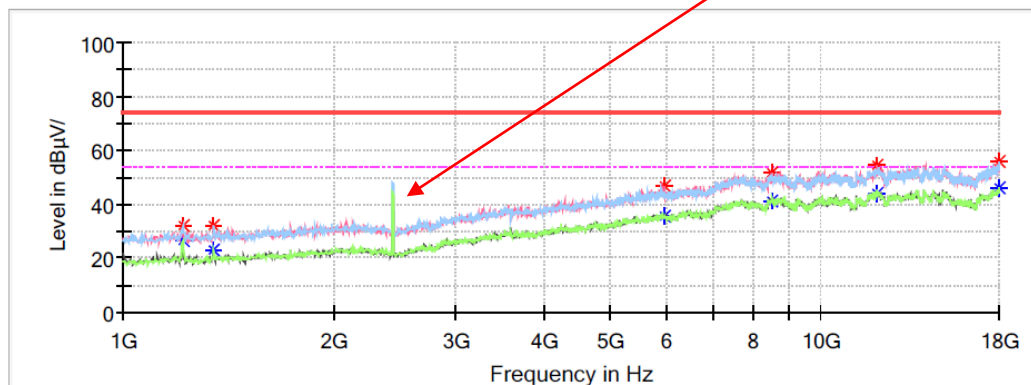
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1350.200000	---	21.43	54.00	32.57	H	-14.7
1350.200000	31.56	---	74.00	42.44	H	-14.7
1989.400000	---	22.90	54.00	31.10	V	-11.7
1989.400000	34.86	---	74.00	39.14	V	-11.7
2128.800000	34.22	---	74.00	39.78	H	-11.3
2128.800000	---	23.19	54.00	30.81	H	-11.3
7698.000000	---	40.41	54.00	13.59	V	3.4
7698.000000	51.98	---	74.00	22.02	V	3.4
14011.800000	---	44.53	54.00	9.47	V	10.7
14011.800000	55.25	---	74.00	18.75	V	10.7
17996.600000	---	46.84	54.00	7.16	H	13.8
17996.600000	54.71	---	74.00	19.29	H	13.8

Middle Channel: 2437MHz**Common Information**

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0℃
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

Fundamental Test with
Band Reject Filter

Full Spectrum

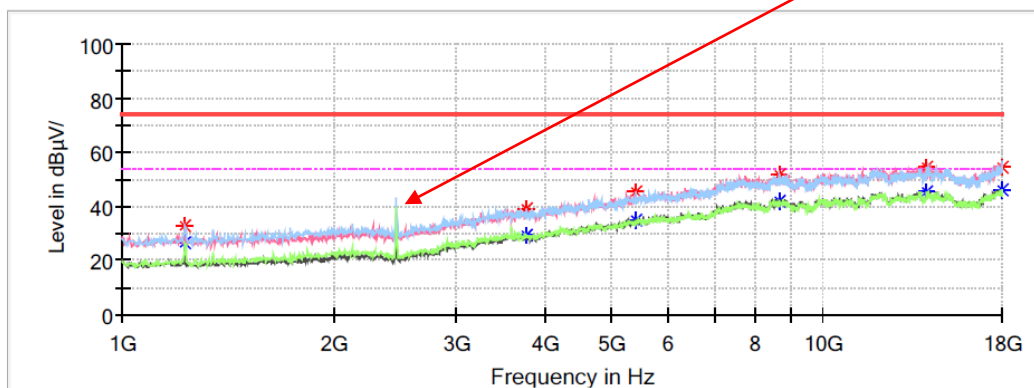
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1217.600000	---	26.32	54.00	27.68	H	-15.2
1217.600000	32.30	---	74.00	41.70	H	-15.2
1350.200000	---	23.24	54.00	30.76	H	-14.7
1350.200000	32.51	---	74.00	41.49	H	-14.7
5970.800000	---	35.43	54.00	18.57	V	-0.7
5970.800000	46.50	---	74.00	27.50	V	-0.7
8507.200000	---	41.17	54.00	12.83	V	4.7
8507.200000	51.69	---	74.00	22.31	V	4.7
12012.600000	---	44.07	54.00	9.93	H	9.0
12012.600000	54.71	---	74.00	19.29	H	9.0
17989.800000	55.67	---	74.00	18.33	H	13.8
17989.800000	---	46.26	54.00	7.74	H	13.8

High Channel: 2462MHz**Common Information**

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0℃
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

Full Spectrum

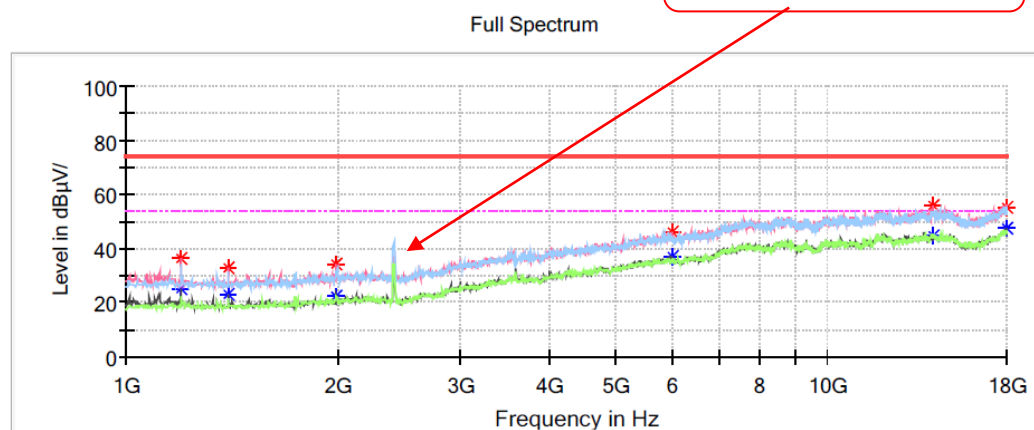
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1227.800000	32.77	---	74.00	41.23	H	-15.2
1227.800000	---	26.64	54.00	27.36	H	-15.2
3777.800000	---	29.22	54.00	24.78	V	-5.5
3777.800000	39.14	---	74.00	34.86	V	-5.5
5416.600000	---	34.79	54.00	19.21	H	-1.8
5416.600000	45.63	---	74.00	28.37	H	-1.8
8684.000000	---	41.65	54.00	12.35	H	4.8
8684.000000	52.08	---	74.00	21.92	H	4.8
14018.600000	---	45.63	54.00	8.37	H	10.7
14018.600000	54.75	---	74.00	19.25	H	10.7
17993.200000	54.39	---	74.00	19.61	V	13.8
17993.200000	---	46.50	54.00	7.50	V	13.8

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

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0°C
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

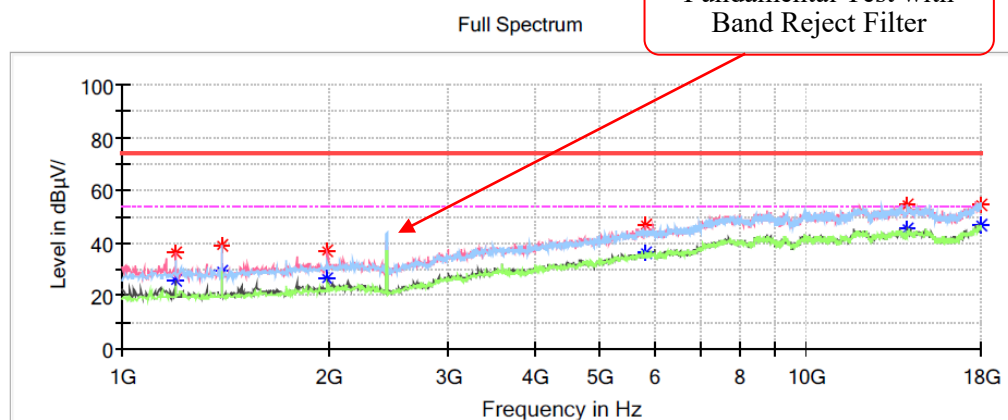
Fundamental Test with
Band Reject Filter

**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)
1197.200000	---	25.20	54.00	28.80	V	-15.3
1197.200000	36.39	---	74.00	37.61	V	-15.3
1397.800000	---	23.00	54.00	31.00	V	-14.5
1397.800000	32.59	---	74.00	41.41	V	-14.5
1992.800000	---	22.27	54.00	31.73	V	-11.7
1992.800000	34.56	---	74.00	39.44	V	-11.7
5998.000000	---	37.04	54.00	16.96	V	-0.7
5998.000000	46.00	---	74.00	28.00	V	-0.7
14110.400000	---	45.08	54.00	8.92	H	10.7
14110.400000	55.76	---	74.00	18.24	H	10.7
17989.800000	54.97	---	74.00	19.03	V	13.8
17989.800000	---	47.67	54.00	6.33	V	13.8

Middle Channel: 2437MHz**Common Information**

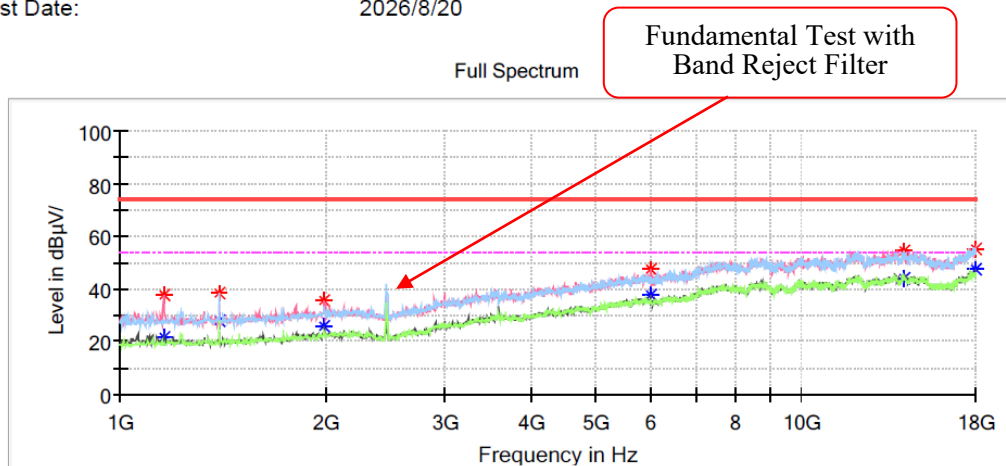
Project No: RKSB260804001
EUT Model: FlySync Pro
Test Mode: 2.4G WIFI 802.11g mode Middle Channel
Standard: FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Equipment: ESU40,3115,PAM-0118P
Receiver Setting: RBW: 1MHz, VBW: 3MHz, Sweep Time: Auto
Temperature: 26.0°C
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

**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)
1197.200000	36.06	---	74.00	37.94	V	-15.3
1197.200000	---	25.80	54.00	28.20	V	-15.3
1397.800000	39.02	---	74.00	34.98	H	-14.5
1397.800000	---	29.07	54.00	24.93	H	-14.5
1989.400000	---	26.33	54.00	27.68	V	-11.7
1989.400000	37.09	---	74.00	36.91	V	-11.7
5831.400000	46.84	---	74.00	27.16	V	-1.0
5831.400000	---	36.04	54.00	17.96	V	-1.0
14005.000000	54.43	---	74.00	19.57	H	10.6
14005.000000	---	45.24	54.00	8.76	H	10.6
17996.600000	54.87	---	74.00	19.13	H	13.8
17996.600000	---	46.81	54.00	7.19	H	13.8

High Channel: 2462MHz**Common Information**

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0℃
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

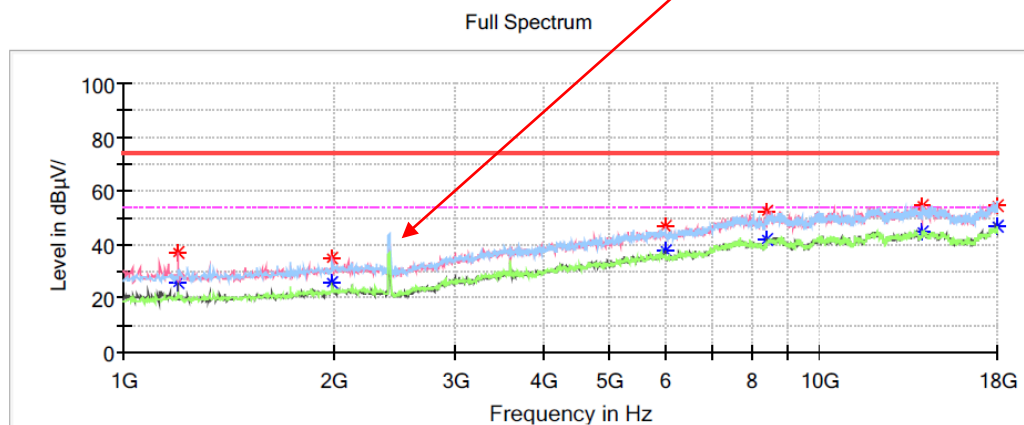
**Critical Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1159.800000	37.56	---	74.00	36.44	V	-15.5
1159.800000	---	22.01	54.00	31.99	V	-15.5
1397.800000	38.18	---	74.00	35.82	H	-14.5
1397.800000	---	28.26	54.00	25.74	H	-14.5
1992.800000	---	25.90	54.00	28.10	V	-11.7
1992.800000	35.98	---	74.00	38.02	V	-11.7
5998.000000	47.86	---	74.00	26.14	V	-0.7
5998.000000	---	37.87	54.00	16.13	V	-0.7
14141.000000	54.33	---	74.00	19.67	H	10.8
14141.000000	---	44.14	54.00	9.86	H	10.8
17996.600000	---	47.49	54.00	6.51	H	13.8
17996.600000	55.14	---	74.00	18.86	H	13.8

802.11n20 Mode :**Low Channel: 2412MHz****Common Information**

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0°C
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

Fundamental Test with
Band Reject Filter

**Critical_Freqs**

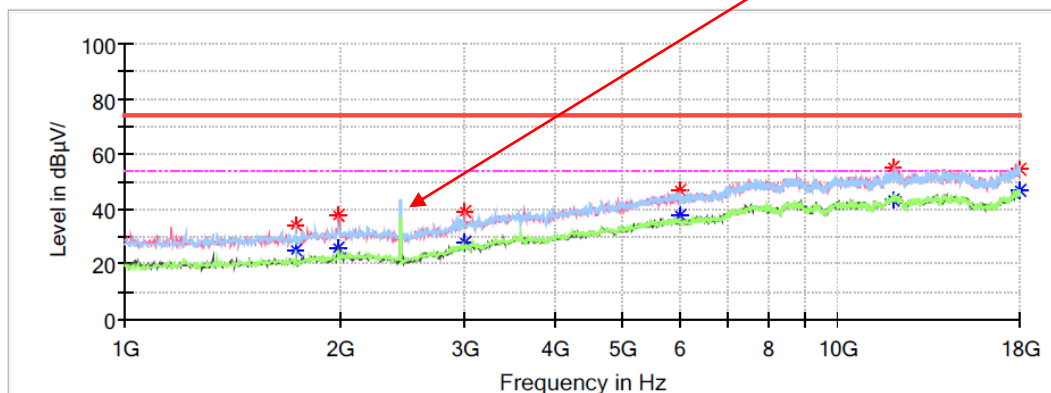
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1197.200000	36.86	---	74.00	37.14	V	-15.3
1197.200000	---	26.22	54.00	27.78	V	-15.3
1996.200000	34.92	---	74.00	39.08	V	-11.7
1996.200000	---	25.62	54.00	28.38	V	-11.7
5998.000000	46.59	---	74.00	27.41	V	-0.7
5998.000000	---	37.69	54.00	16.31	V	-0.7
8412.000000	52.52	---	74.00	21.48	V	4.5
8412.000000	---	41.70	54.00	12.30	V	4.5
14079.800000	54.82	---	74.00	19.18	H	10.7
14079.800000	---	44.72	54.00	9.28	H	10.7
17993.200000	---	46.73	54.00	7.27	H	13.8
17993.200000	54.57	---	74.00	19.43	H	13.8

Middle Channel: 2437MHz**Common Information**

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0°C
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

Fundamental Test with
Band Reject Filter

Full Spectrum

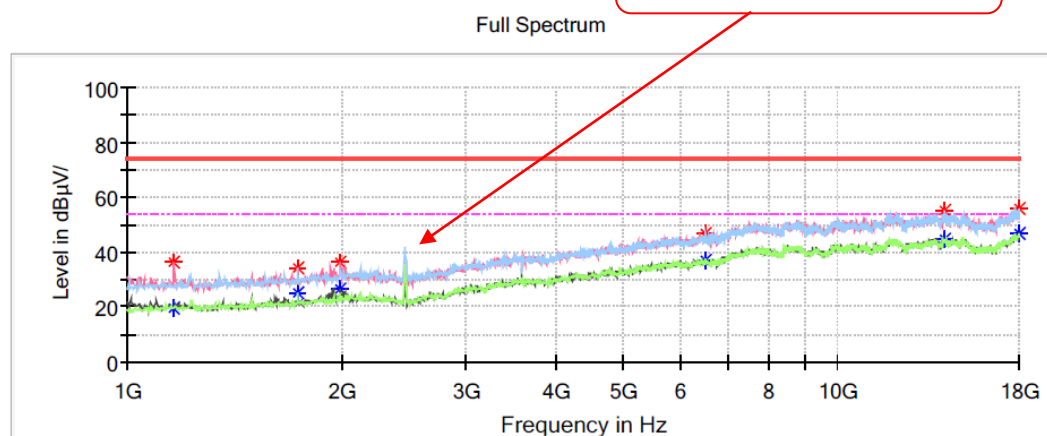
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1737.800000	---	25.05	54.00	28.95	H	-12.9
1737.800000	34.03	---	74.00	39.97	H	-12.9
1989.400000	---	26.03	54.00	27.97	V	-11.7
1989.400000	37.56	---	74.00	36.44	V	-11.7
2992.400000	---	28.30	54.00	25.70	V	-8.4
2992.400000	39.31	---	74.00	34.69	V	-8.4
5998.000000	---	37.63	54.00	16.37	V	-0.7
5998.000000	46.79	---	74.00	27.21	V	-0.7
11985.400000	---	43.46	54.00	10.54	H	9.0
11985.400000	55.12	---	74.00	18.88	H	9.0
17989.800000	54.50	---	74.00	19.50	H	13.8
17989.800000	---	47.19	54.00	6.81	H	13.8

High Channel: 2462MHz**Common Information**

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0°C
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

Fundamental Test with
Band Reject Filter

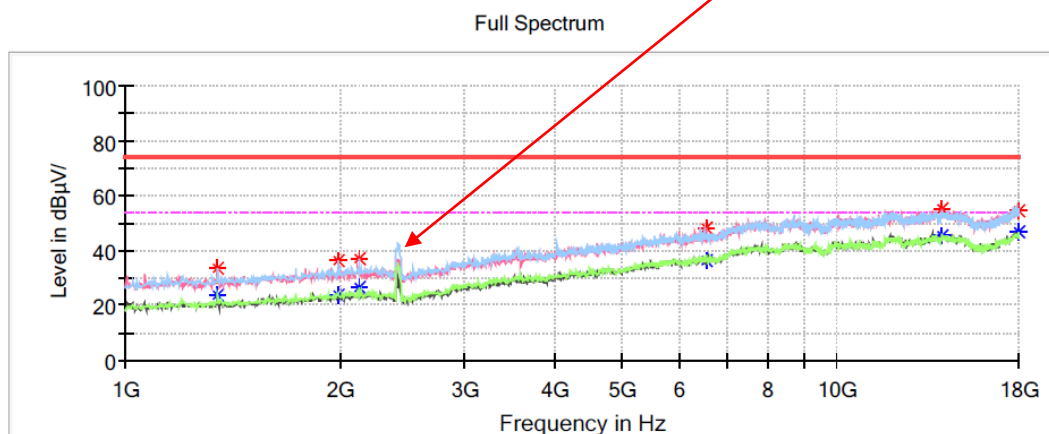
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1163.200000	36.63	---	74.00	37.37	V	-15.5
1163.200000	---	19.76	54.00	34.24	V	-15.5
1737.800000	34.00	---	74.00	40.00	H	-12.9
1737.800000	---	24.91	54.00	29.09	H	-12.9
1996.200000	36.45	---	74.00	37.55	V	-11.7
1996.200000	---	26.39	54.00	27.61	V	-11.7
6528.400000	47.13	---	74.00	26.87	H	-0.6
6528.400000	---	36.84	54.00	17.16	H	-0.6
14096.800000	54.95	---	74.00	19.05	V	10.7
14096.800000	---	44.51	54.00	9.49	V	10.7
17976.200000	---	46.87	54.00	7.13	H	13.7
17976.200000	55.67	---	74.00	18.33	H	13.7

802.11n40 Mode :**Low Channel: 2422MHz****Common Information**

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0°C
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

Fundamental Test with
Band Reject Filter

**Critical_Freqs**

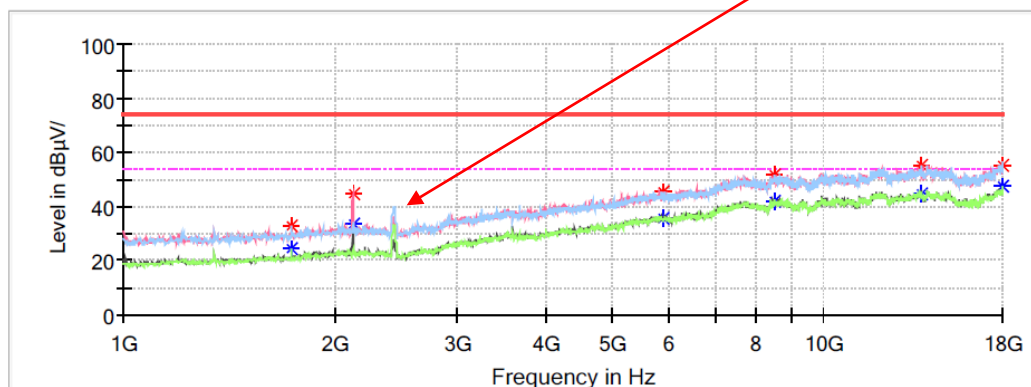
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1350.200000	33.64	---	74.00	40.36	H	-14.7
1350.200000	---	24.03	54.00	29.97	H	-14.7
1989.400000	---	23.97	54.00	30.03	H	-11.7
1989.400000	36.16	---	74.00	37.84	H	-11.7
2132.200000	---	26.23	54.00	27.77	H	-11.3
2132.200000	36.94	---	74.00	37.06	H	-11.3
6538.600000	---	36.70	54.00	17.30	H	-0.5
6538.600000	48.17	---	74.00	25.83	H	-0.5
14022.000000	---	45.23	54.00	8.77	V	10.7
14022.000000	55.08	---	74.00	18.92	V	10.7
17969.400000	---	47.19	54.00	6.81	V	13.6
17969.400000	54.77	---	74.00	19.23	V	13.6

Middle Channel: 2437MHz**Common Information**

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0℃
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

Fundamental Test with
Band Reject Filter

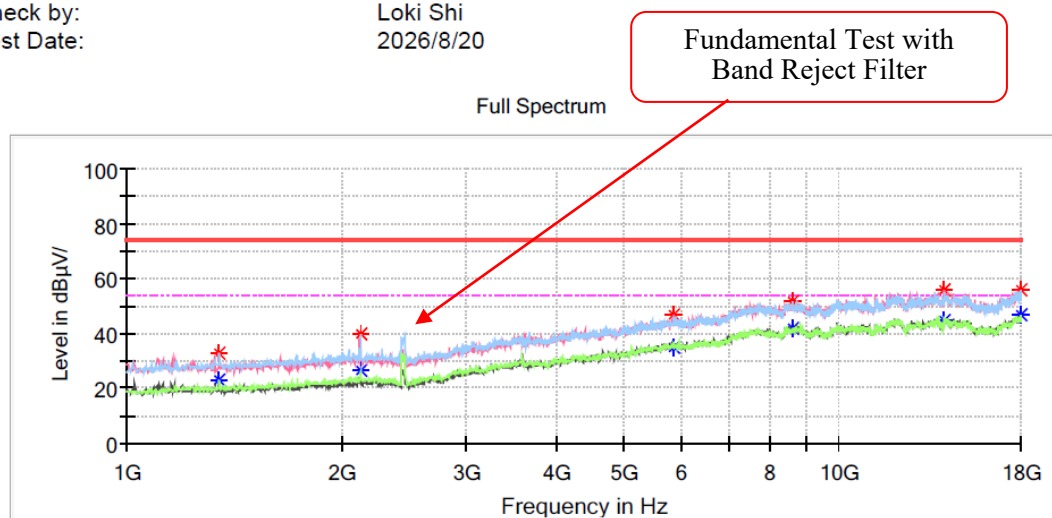
Full Spectrum

**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)
1737.800000	33.16	---	74.00	40.84	H	-12.9
1737.800000	---	24.43	54.00	29.57	H	-12.9
2125.400000	---	33.89	54.00	20.11	V	-11.3
2125.400000	44.51	---	74.00	29.49	V	-11.3
5892.600000	---	35.35	54.00	18.65	V	-0.9
5892.600000	45.80	---	74.00	28.20	V	-0.9
8517.400000	52.00	---	74.00	22.00	H	4.7
8517.400000	---	41.75	54.00	12.25	H	4.7
13750.000000	55.47	---	74.00	18.53	H	10.1
13750.000000	---	45.07	54.00	8.93	H	10.1
17993.200000	---	47.49	54.00	6.51	V	13.8
17993.200000	55.21	---	74.00	18.79	V	13.8

High Channel: 2452MHz**Common Information**

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0°C
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

**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)
1350.200000	---	23.23	54.00	30.77	H	-14.7
1350.200000	32.96	---	74.00	41.04	H	-14.7
2132.200000	---	26.30	54.00	27.70	H	-11.3
2132.200000	39.53	---	74.00	34.47	H	-11.3
5875.600000	---	35.29	54.00	18.71	V	-0.9
5875.600000	46.61	---	74.00	27.39	V	-0.9
8609.200000	---	42.27	54.00	11.73	H	4.7
8609.200000	51.66	---	74.00	22.34	H	4.7
14008.400000	---	45.05	54.00	8.95	H	10.6
14008.400000	55.67	---	74.00	18.33	H	10.6
17986.400000	---	46.81	54.00	7.19	V	13.7
17986.400000	55.96	---	74.00	18.04	V	13.7

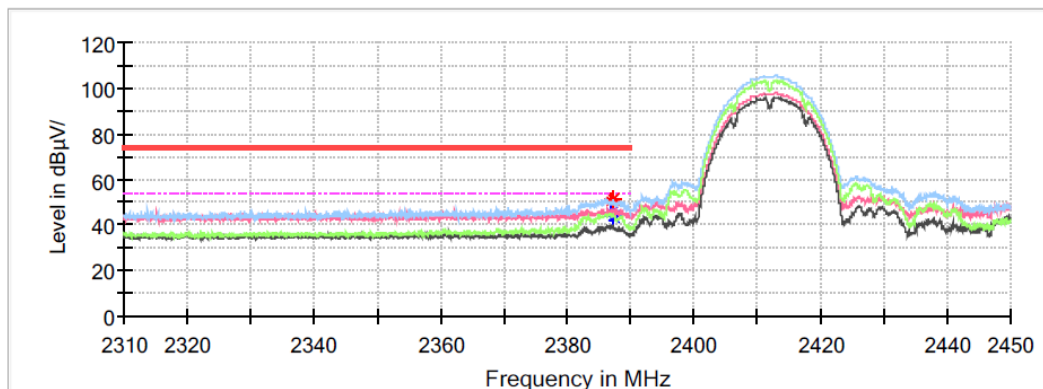
Band Edge:
802.11b Mode:

Low Channel

Common Information

Project No: RKS260804001
EUT Model: FlySync Pro
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: 26.0°C
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

Full Spectrum



Critical_Freqs

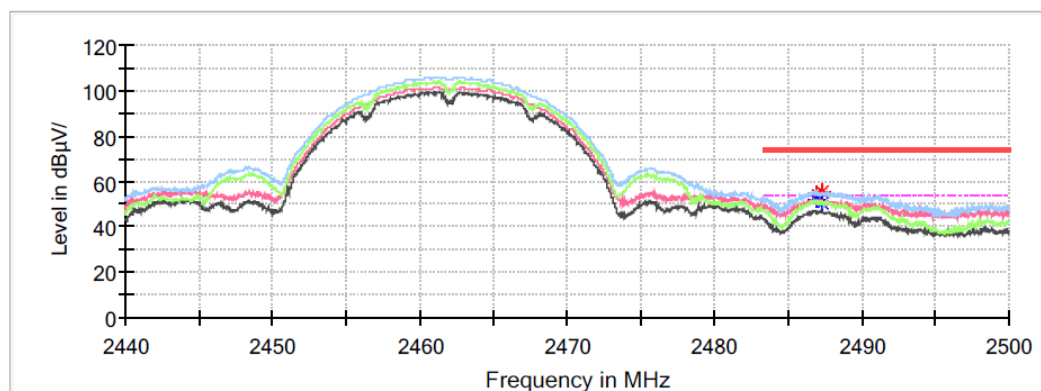
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2387.000000	---	45.63	54.00	8.37	H	-0.6
2387.000000	50.26	---	74.00	23.74	H	-0.6
2387.252000	---	43.83	54.00	10.17	H	-0.6
2387.252000	51.39	---	74.00	22.61	H	-0.6

High Channel

Common Information

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0℃
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

Full Spectrum



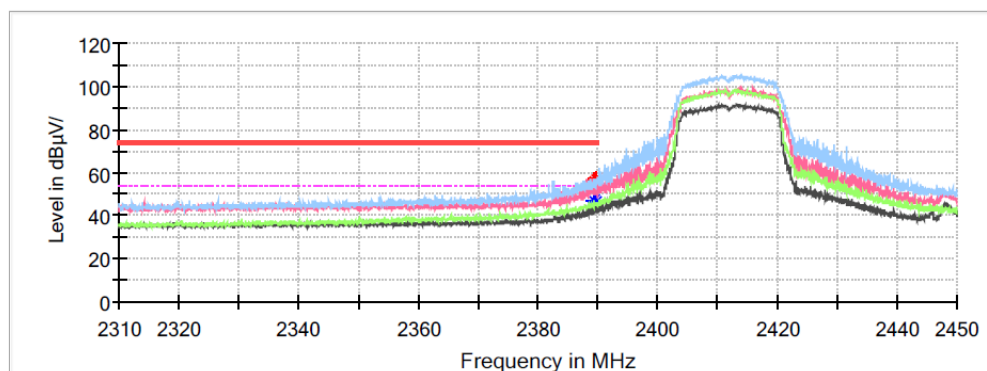
Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2486.956000	54.64	---	74.00	19.36	H	-0.3
2486.956000	---	51.62	54.00	2.38	H	-0.3
2487.364000	---	50.37	54.00	3.63	H	-0.3
2487.364000	55.69	---	74.00	18.31	H	-0.3

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

Project No: RKSB260804001
 EUT Model: FlySync Pro
 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: 26.0°C
 Humidity: 49%
 Atmospheric Pressure: 101.2kPa
 Test Engineer: Destine Hu
 Check by: Loki Shi
 Test Date: 2026/8/20

Full Spectrum

**Critical_Freqs**

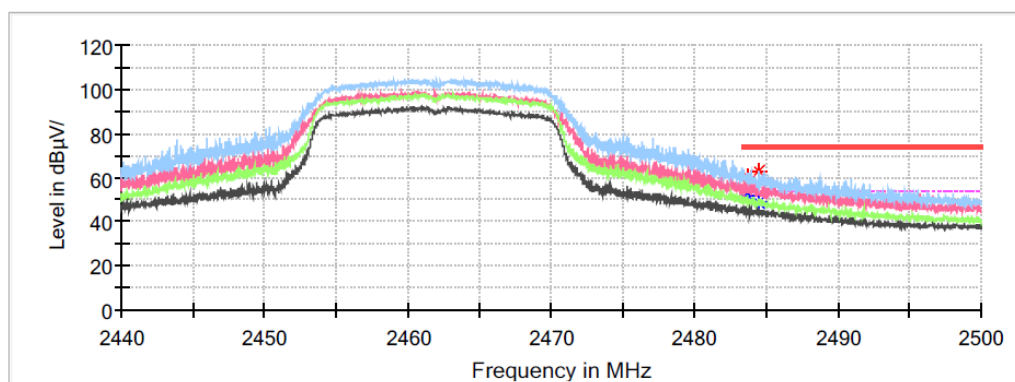
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.240000	---	46.68	54.00	7.32	H	-0.6
2389.240000	55.99	---	74.00	18.01	H	-0.6
2389.772000	---	45.75	54.00	8.25	H	-0.6
2389.772000	57.37	---	74.00	16.63	H	-0.6

High Channel

Common Information

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0°C
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

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)
2483.740000	---	51.68	54.00	2.32	H	-0.3
2483.740000	60.18	---	74.00	13.82	H	-0.3
2484.544000	---	48.65	54.00	5.35	H	-0.3
2484.544000	63.15	---	74.00	10.85	H	-0.3

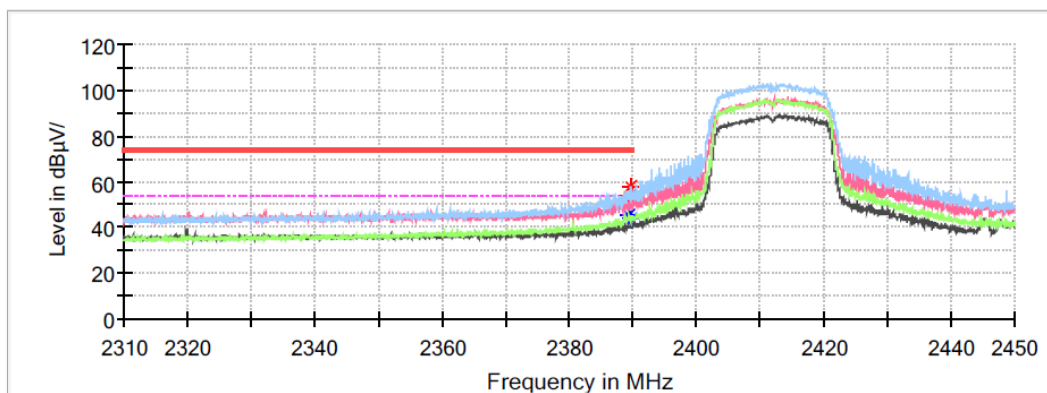
802.11n20 Mode:

Low Channel

Common Information

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0°C
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

Full Spectrum



Critical_Freqs

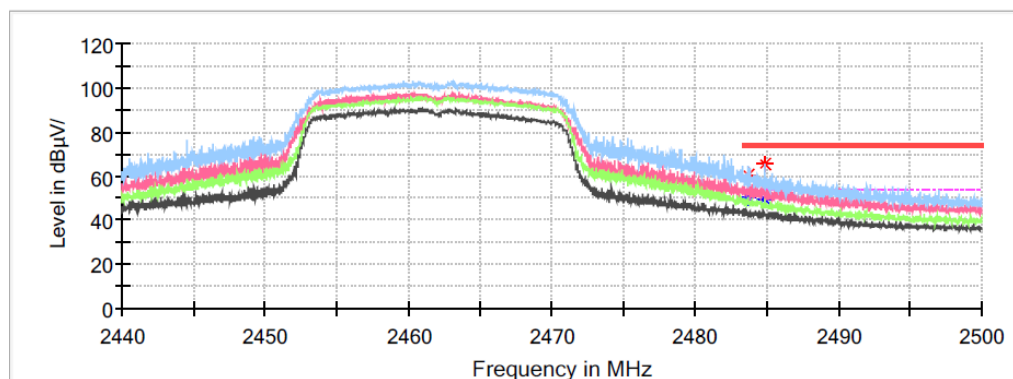
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.492000	---	45.58	54.00	8.42	H	-0.6
2389.492000	53.61	---	74.00	20.39	H	-0.6
2389.800000	---	43.46	54.00	10.54	H	-0.6
2389.800000	57.82	---	74.00	16.18	H	-0.6

High Channel

Common Information

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0℃
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

Full Spectrum



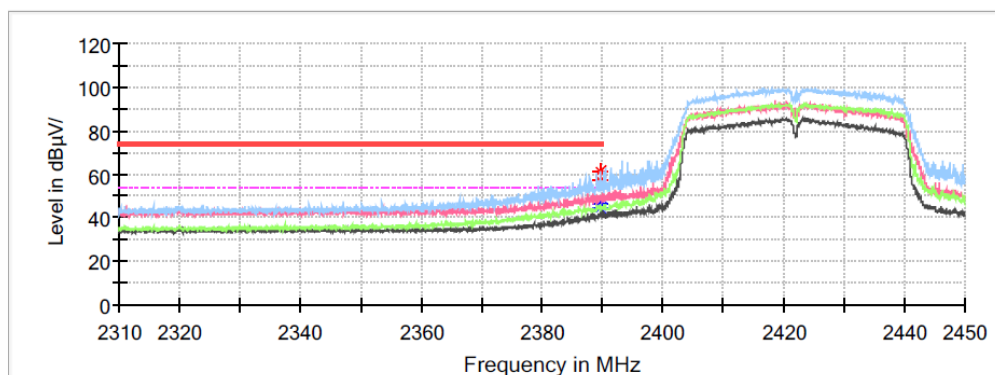
Critical_Freqs

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	---	50.16	54.00	3.84	H	-0.3
2483.656000	60.67	---	74.00	13.33	H	-0.3
2484.916000	---	49.41	54.00	4.59	H	-0.3
2484.916000	65.12	---	74.00	8.88	H	-0.3

802.11n40 Mode:**Low Channel****Common Information**

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0℃
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

Full Spectrum

**Critical_Freqs**

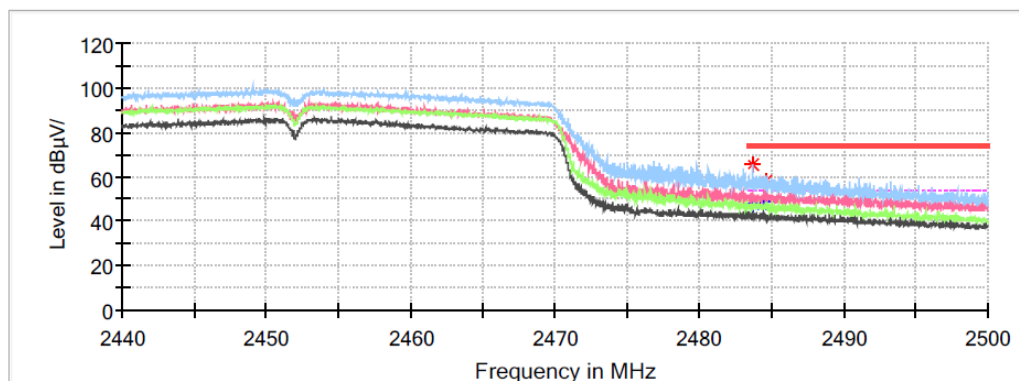
Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2389.660000	61.56	---	74.00	12.44	H	-0.6
2389.660000	---	44.44	54.00	9.56	H	-0.6
2389.716000	56.87	---	74.00	17.13	H	-0.6
2389.716000	---	45.92	54.00	8.08	H	-0.6

High Channel

Common Information

Project No: RKSB260804001
EUT Model: FlySync Pro
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: 26.0°C
Humidity: 49%
Atmospheric Pressure: 101.2kPa
Test Engineer: Destine Hu
Check by: Loki Shi
Test Date: 2026/8/20

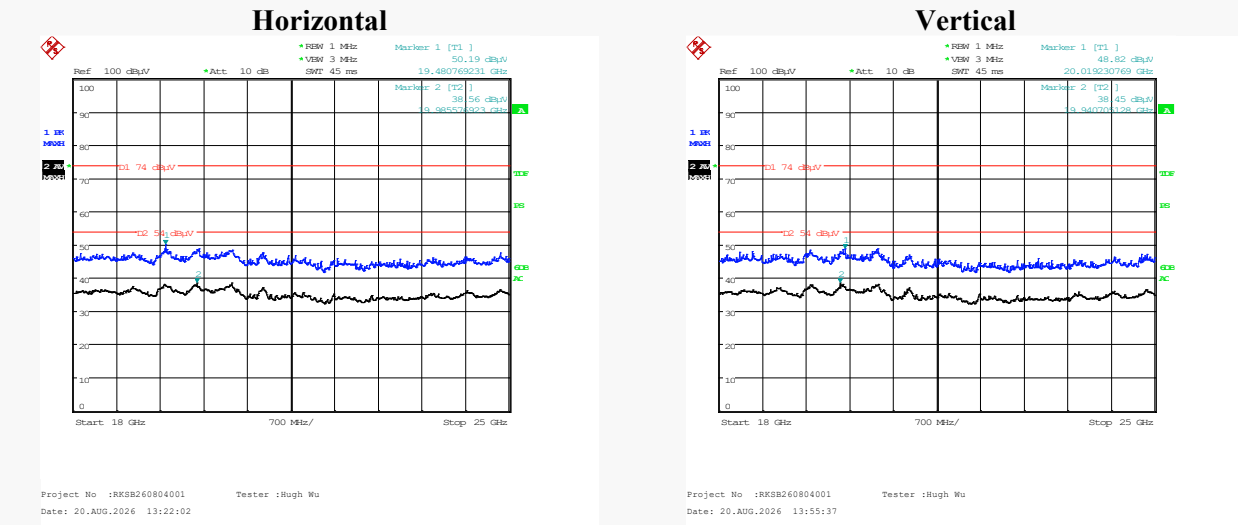
Full Spectrum



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)
2483.668000	65.07	---	74.00	8.93	H	-0.3
2483.668000	---	47.91	54.00	6.09	H	-0.3
2484.592000	57.63	---	74.00	16.37	H	-0.3
2484.592000	---	48.81	54.00	5.19	H	-0.3

18GHz-25GHz: Transmitting in maximum output power mode 802.11n40 mode high channel



Frequency (GHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Pol	Corr. (dB/m)
19.94	---	38.45	54	15.55	V	12.11
20.02	48.82	---	74	25.18	V	12.3
19.99	---	38.56	54	15.44	H	12.24
19.48	50.19	---	74	23.81	H	10.78

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

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

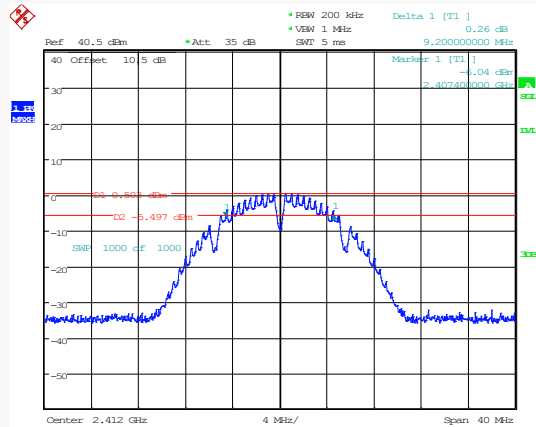
Test Date:	2026-09-03	2026-09-04
Temperature:	21.3℃	22.1℃
Relative Humidity:	50 %	48 %
ATM Pressure:	101.1 kPa	101.0 kPa
Test Engineer:	Neil Zhou	Neil Zhou

Test Result: Compliant.

EUT operation mode: Transmitting

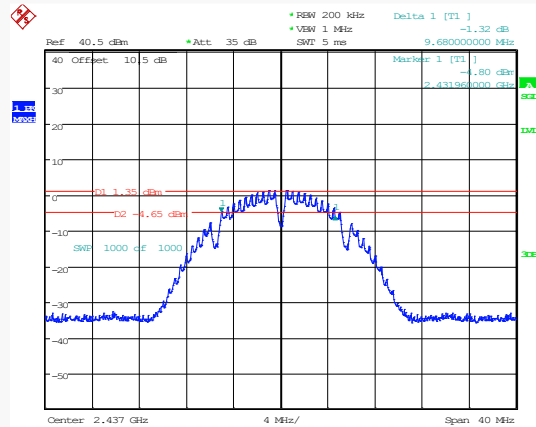
Test Mode	Channel (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)	Verdict
802.11b	2412	9.200	≥ 0.5	PASS
	2437	9.680	≥ 0.5	PASS
	2462	9.640	≥ 0.5	PASS
802.11g	2412	16.040	≥ 0.5	PASS
	2437	16.040	≥ 0.5	PASS
	2462	16.000	≥ 0.5	PASS
802.11n20	2412	17.200	≥ 0.5	PASS
	2437	17.280	≥ 0.5	PASS
	2462	17.280	≥ 0.5	PASS
802.11n40	2422	35.360	≥ 0.5	PASS
	2437	35.760	≥ 0.5	PASS
	2452	34.800	≥ 0.5	PASS

802.11b_2412MHz



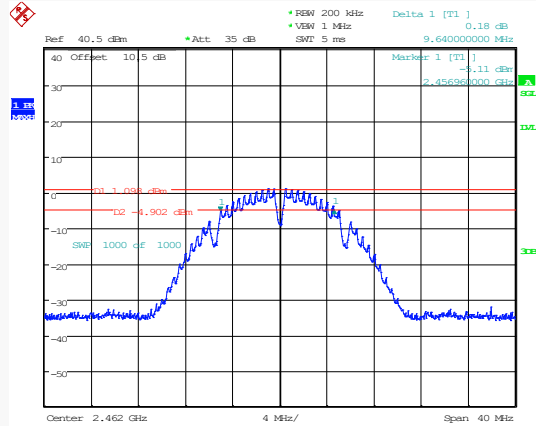
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:11:40

802.11b_2437MHz



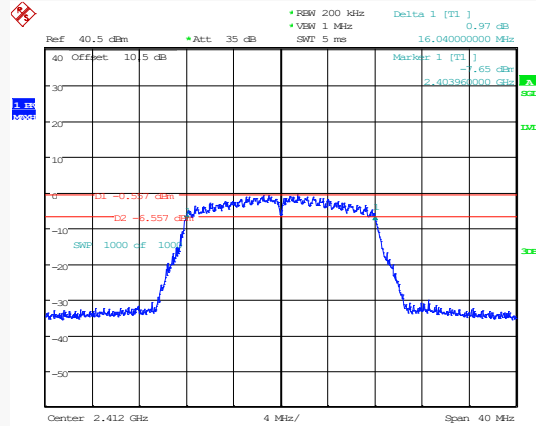
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:22:55

802.11b_2462MHz



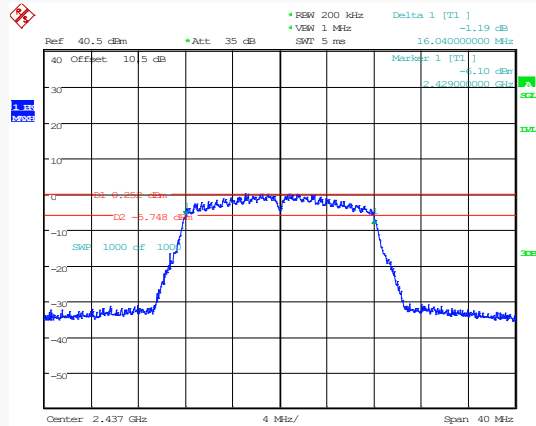
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:34:51

802.11g_2412MHz



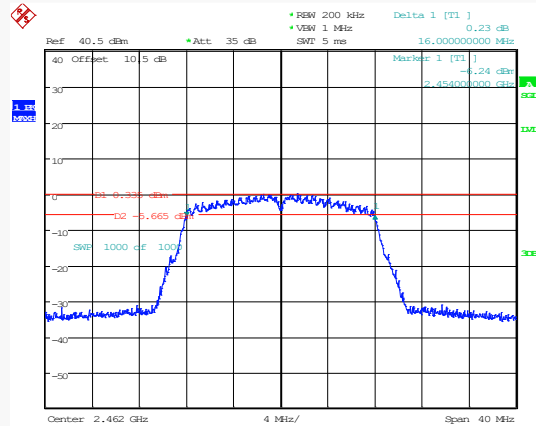
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:49:03

802.11g_2437MHz



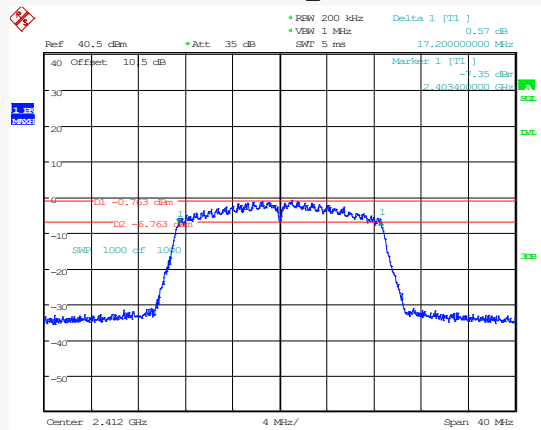
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802.11g_2462MHz



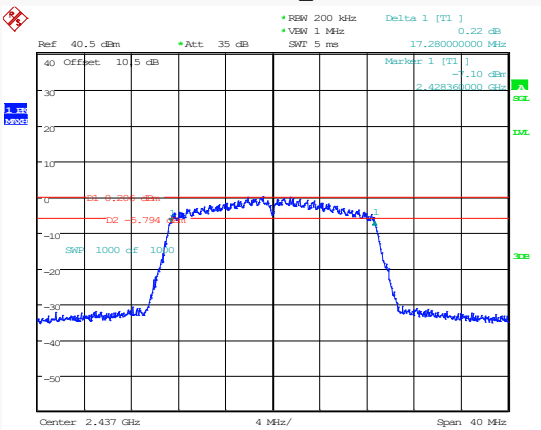
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 15:20:42

802.11n20_2412MHz



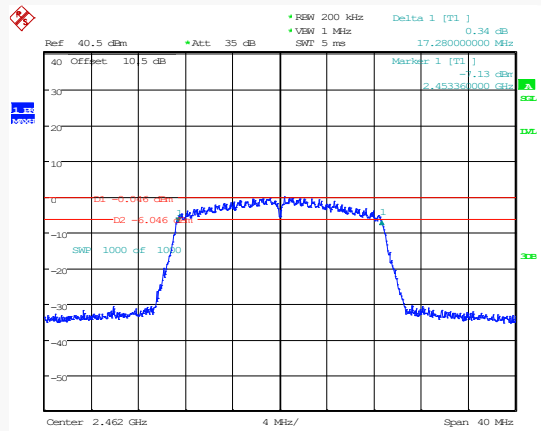
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 15:35:55

802.11n20_2437MHz



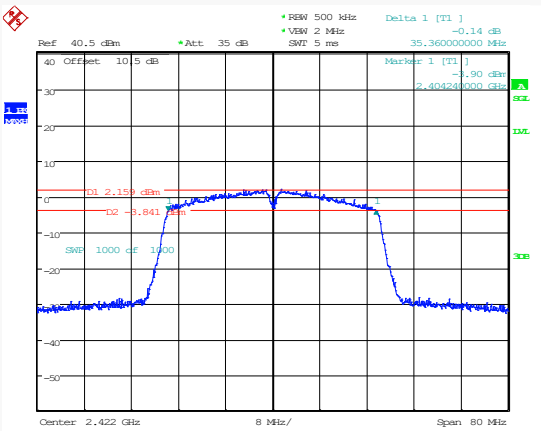
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Date: 3.SEP.2026 15:50:56

802.11n20_2462MHz



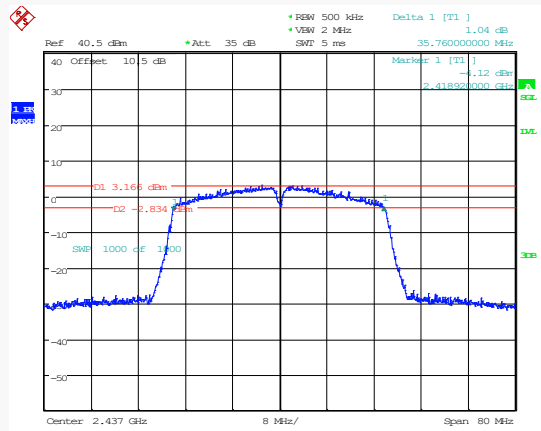
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 16:05:30

802.11n40_2422MHz



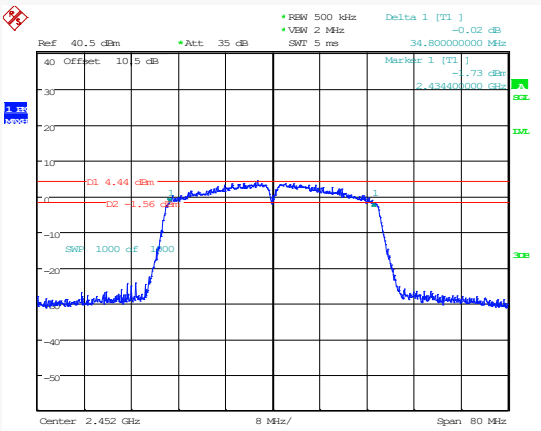
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 4.SEP.2026 14:13:29

802.11n40_2437MHz



ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 17:39:28

802.11n40_2452MHz



ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 17:59:51

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

Test Date:	2026-09-03
Temperature:	21.3℃
Relative Humidity:	50 %
ATM Pressure:	101.1 kPa
Test Engineer:	Neil Zhou

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

Test Mode	Channel (MHz)	Maximum Conducted Peak Output Power (dBm)	Maximum Conducted Average Output Power(dBm)	Limit (dBm)	Verdict
802.11b	2412	12.63	9.82	≤30.00	PASS
	2437	13.31	10.43	≤30.00	PASS
	2462	12.38	10.36	≤30.00	PASS
802.11g	2412	18.69	7.98	≤30.00	PASS
	2437	18.67	7.82	≤30.00	PASS
	2462	18.91	8.42	≤30.00	PASS
802.11n20	2412	17.88	6.89	≤30.00	PASS
	2437	18.55	7.62	≤30.00	PASS
	2462	18.27	7.58	≤30.00	PASS
802.11n40	2422	18.78	9.33	≤30.00	PASS
	2437	19.24	9.58	≤30.00	PASS
	2452	19.44	10.42	≤30.00	PASS

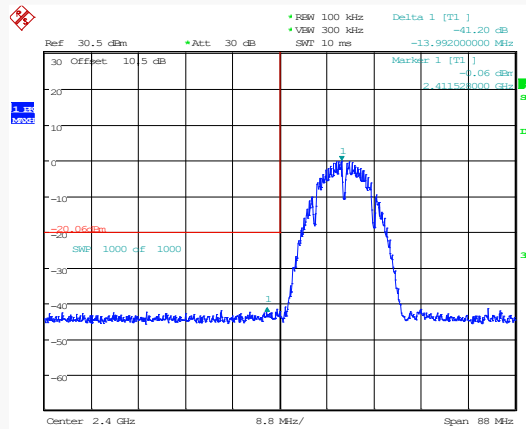
100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE**Environmental Conditions & Test Information**

Test Date:	2026-09-03	2026-09-04
Temperature:	21.3 °C	22.1 °C
Relative Humidity:	50 %	48 %
ATM Pressure:	101.1 kPa	101.0 kPa
Test Engineer:	Neil Zhou	Neil Zhou

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

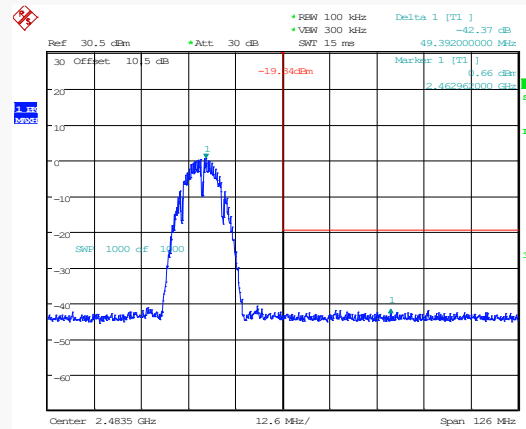
Mode	Channel	Test Frequency (MHz)	Result (dB)	Limit (dB)
802.11b	Low	2412	41.20	20
	High	2462	42.37	20
802.11g	Low	2412	33.86	20
	High	2462	37.61	20
802.11n20	Low	2412	33.52	20
	High	2462	37.08	20
802.11n40	Low	2422	31.98	20
	High	2452	32.25	20

802.11b_2412MHz



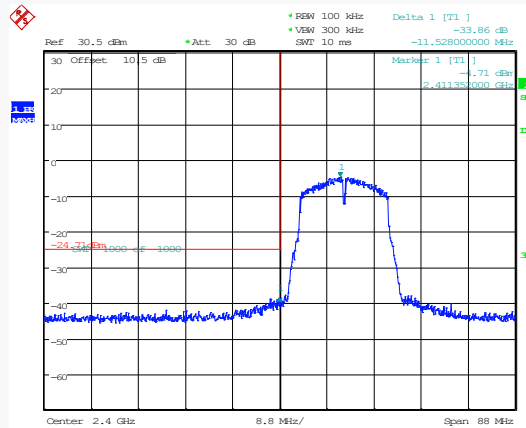
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:12:34

802.11b_2462MHz



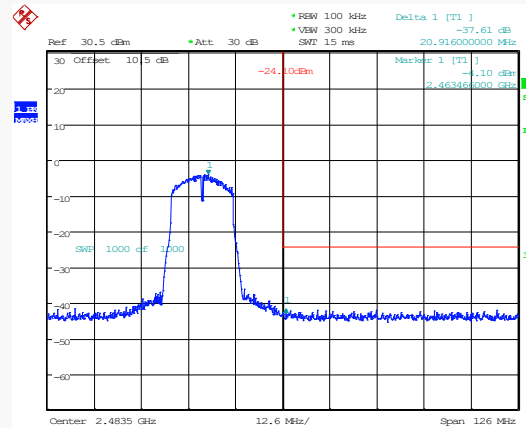
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:35:48

802.11g_2412MHz



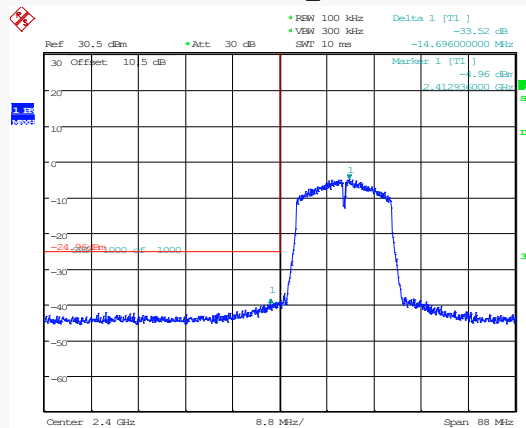
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:49:58

802.11g_2462MHz



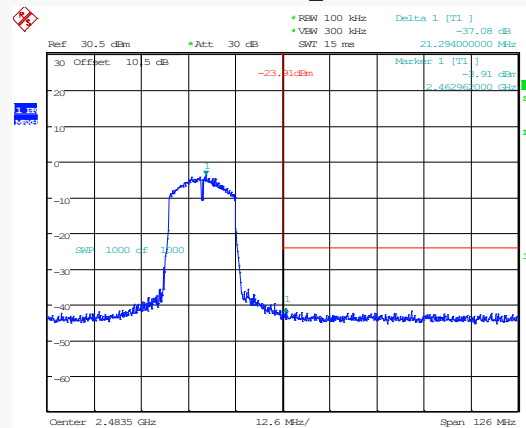
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Date: 3.SEP.2026 15:21:37

802.11n20_2412MHz

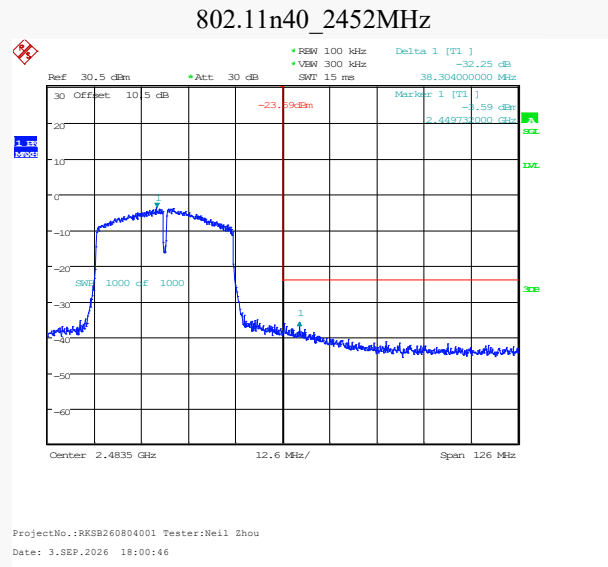
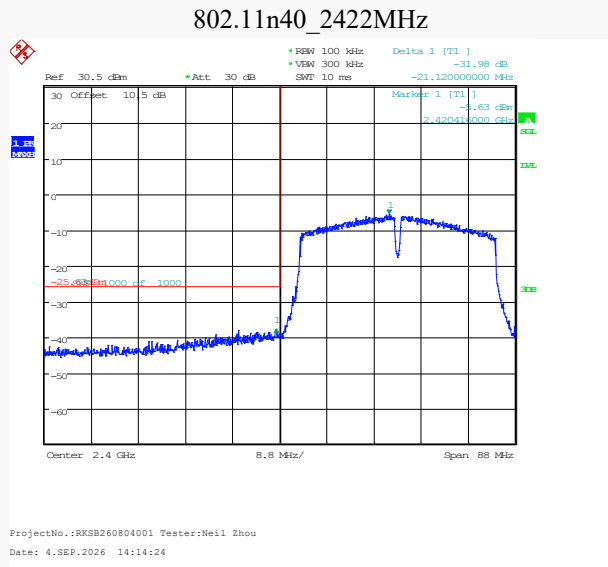


ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 15:36:50

802.11n20_2462MHz



ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 16:06:25



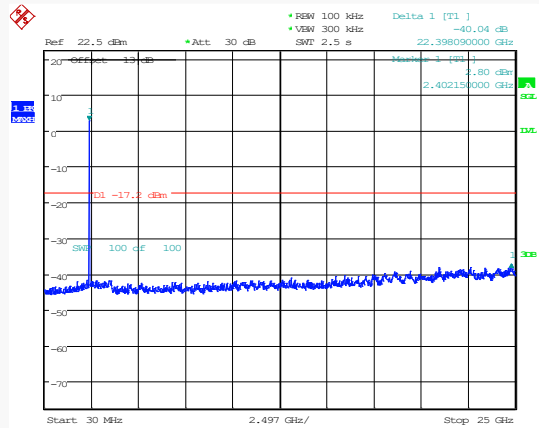
CONDUCTED SPURIOUS EMISSION**Environmental Conditions & Test Information**

Test Date:	2026-09-03	2026-09-04
Temperature:	21.3 °C	22.1 °C
Relative Humidity:	50 %	48 %
ATM Pressure:	101.1 kPa	101.0 kPa
Test Engineer:	Neil Zhou	Neil Zhou

Mode	Channel	Frequency (MHz)	Result (dB)	Limit (dB)
802.11b	Low	2412	40.04	20
	Middle	2437	39.90	20
	High	2462	39.96	20
802.11g	Low	2412	34.93	20
	Middle	2437	36.24	20
	High	2462	35.76	20
802.11n20	Low	2412	35.01	20
	Middle	2437	34.72	20
	High	2462	35.84	20
802.11n40	Low	2422	33.45	20
	Middle	2437	34.72	20
	High	2452	26.89	20

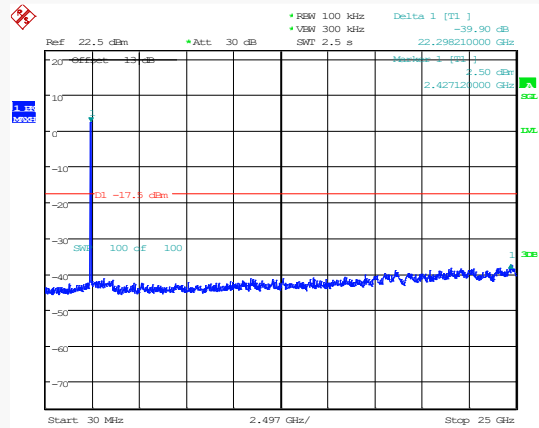
Note: the maximum path attenuation of 30MHz~25GHz was added into the offset

802.11b_2412MHz



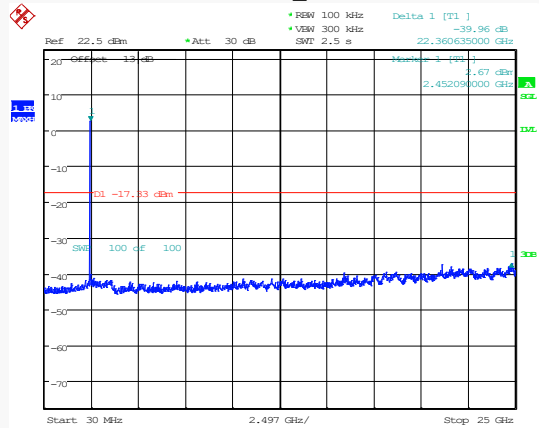
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:17:08

802.11b_2437MHz



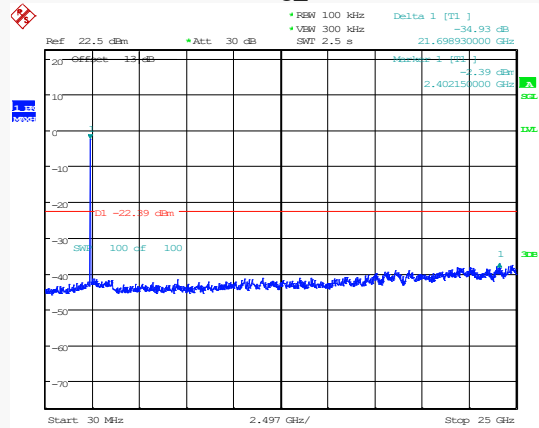
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802.11b_2462MHz



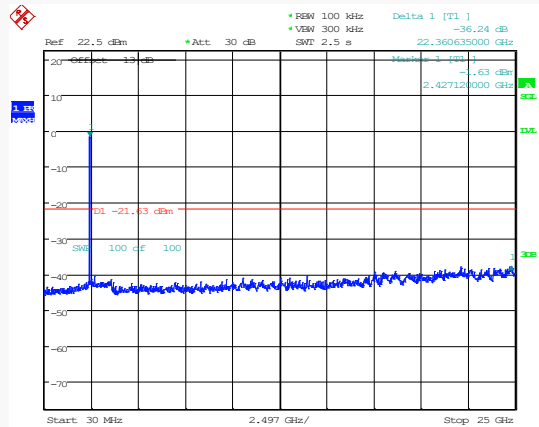
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:40:22

802.11g_2412MHz



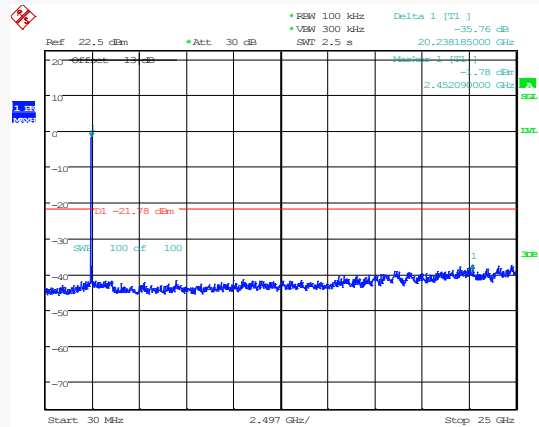
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 14:54:33

802.11g_2437MHz



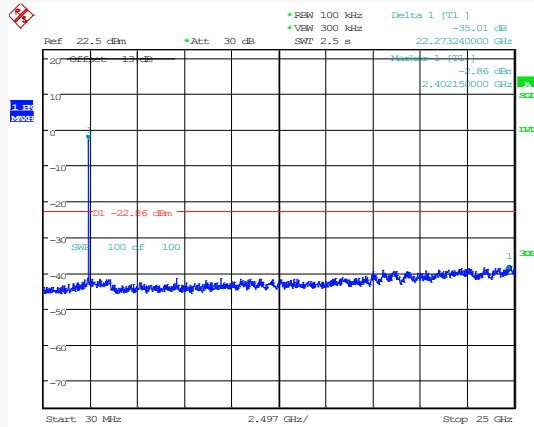
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 15:08:03

802.11g_2462MHz



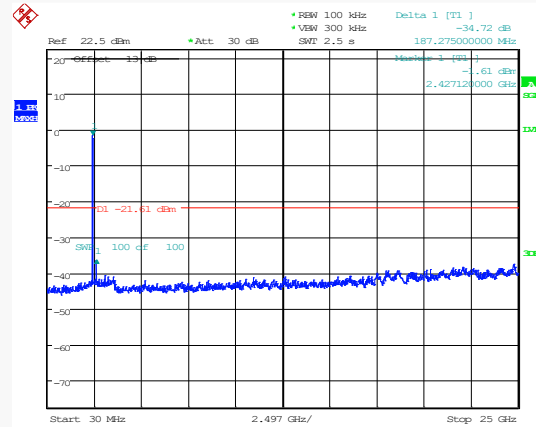
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802.11n20_2412MHz



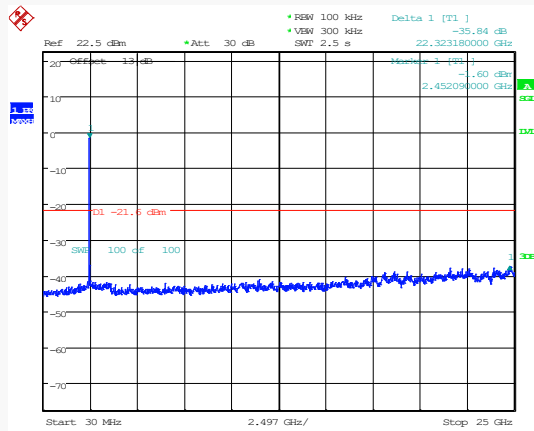
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802.11n20_2437MHz



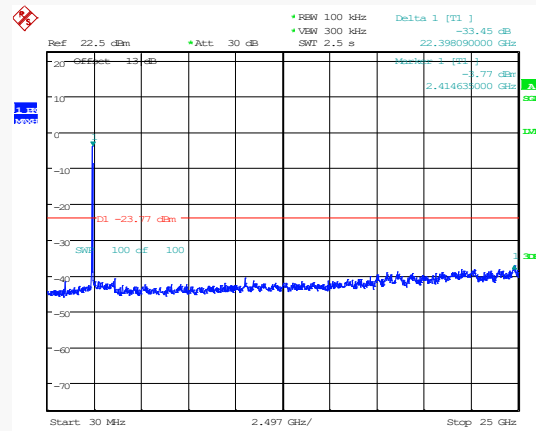
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 15:55:40

802.11n20_2462MHz



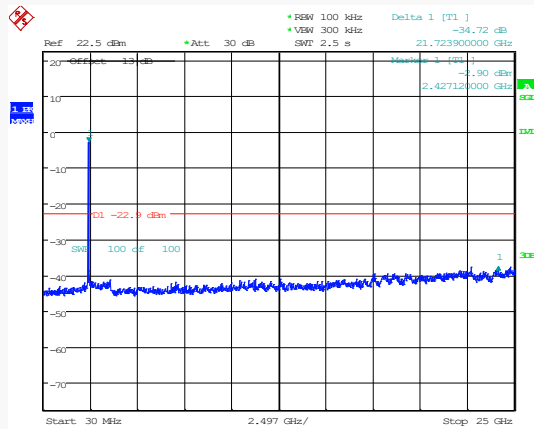
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 16:10:59

802.11n40_2422MHz



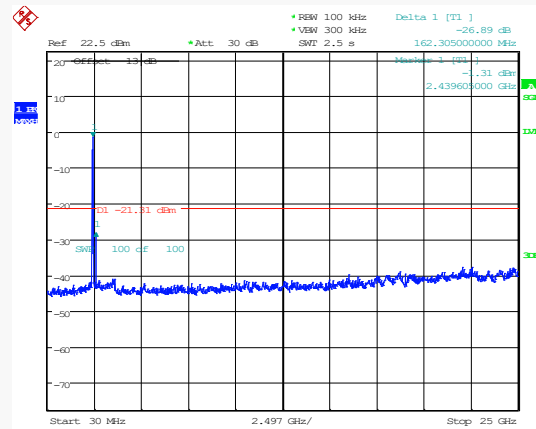
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 4.SEP.2026 14:18:57

802.11n40_2437MHz



ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 17:44:11

802.11n40_2452MHz



ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 18:05:22

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

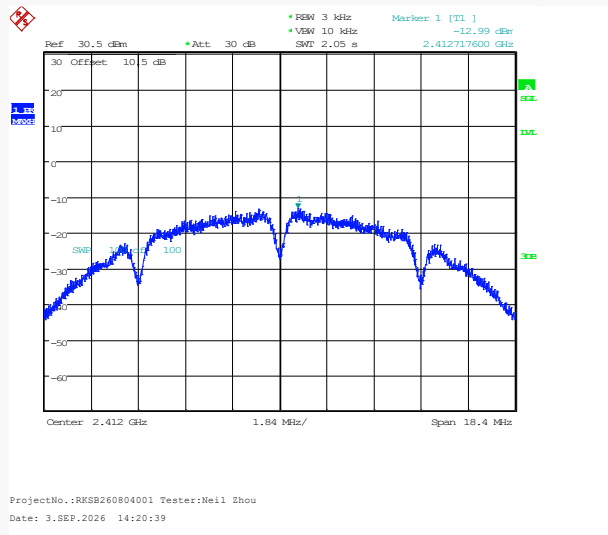
Test Date:	2026-09-03	2026-09-04
Temperature:	21.3 °C	22.1 °C
Relative Humidity:	50 %	48 %
ATM Pressure:	101.1 kPa	101.0 kPa
Test Engineer:	Neil Zhou	Neil Zhou

Test Result: Compliant.

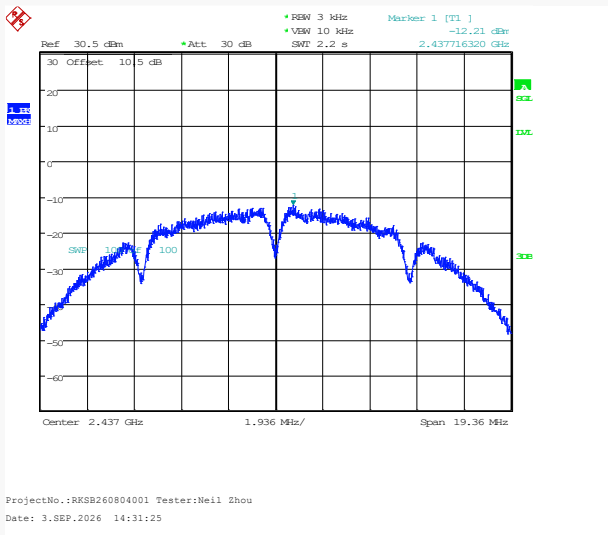
EUT operation mode: Transmitting

Test Mode	Channel (MHz)	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
802.11b	2412	-12.99	≤8.00	PASS
	2437	-12.21	≤8.00	PASS
	2462	-12.87	≤8.00	PASS
802.11g	2412	-15.58	≤8.00	PASS
	2437	-14.41	≤8.00	PASS
	2462	-14.63	≤8.00	PASS
802.11n20	2412	-15.84	≤8.00	PASS
	2437	-13.94	≤8.00	PASS
	2462	-14.66	≤8.00	PASS
802.11n40	2422	-16.54	≤8.00	PASS
	2437	-15.27	≤8.00	PASS
	2452	-14.48	≤8.00	PASS

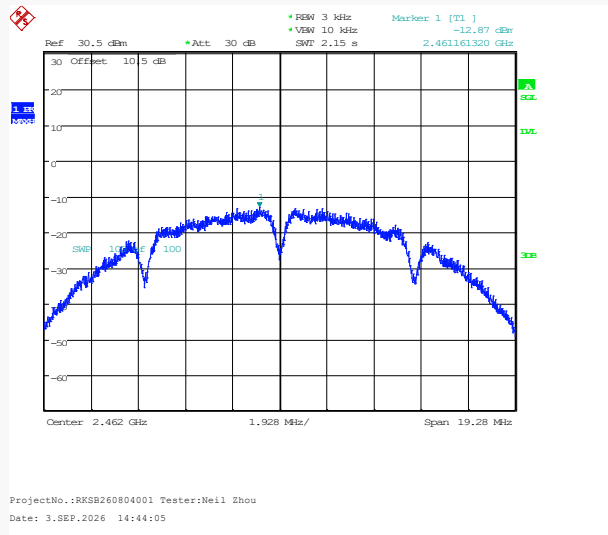
802.11b_2412MHz



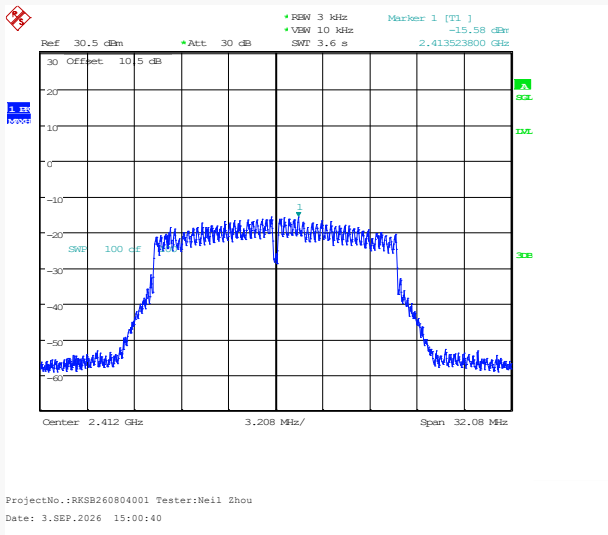
802.11b_2437MHz



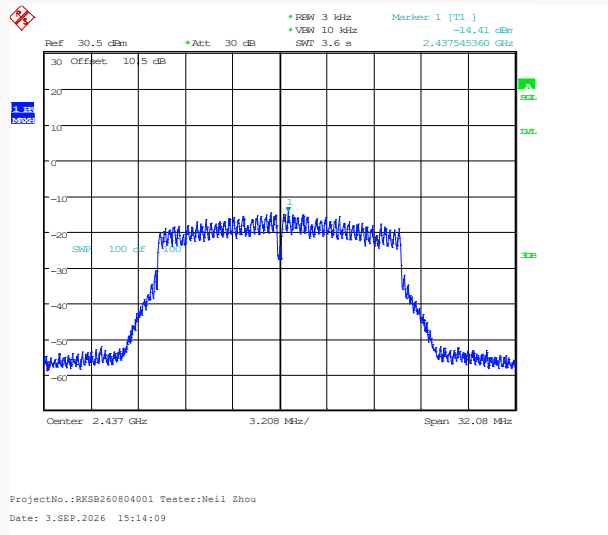
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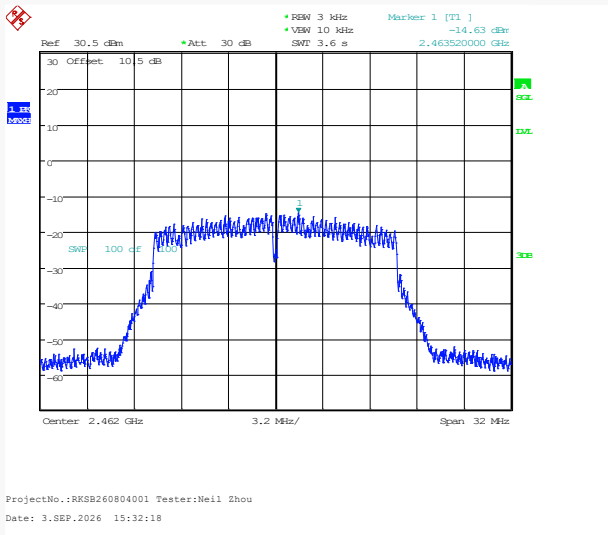
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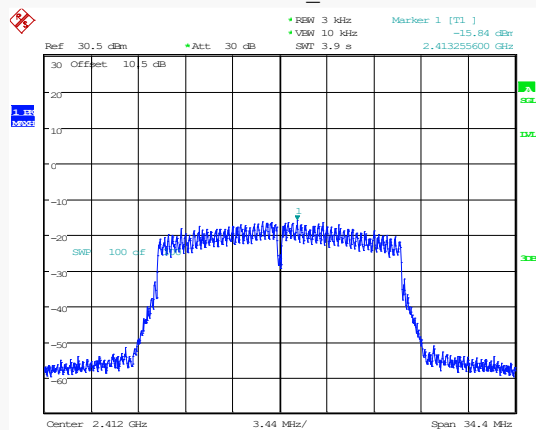
802.11g_2437MHz



802.11g_2462MHz

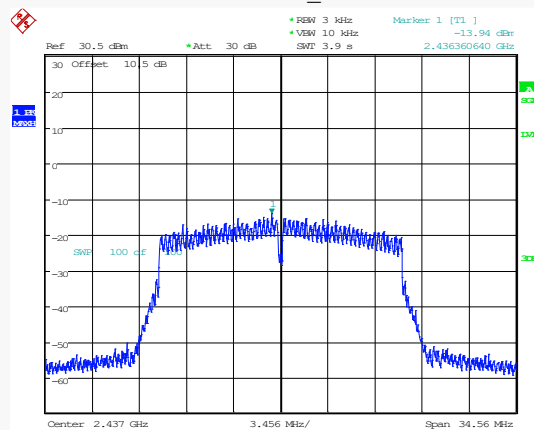


802.11n20_2412MHz



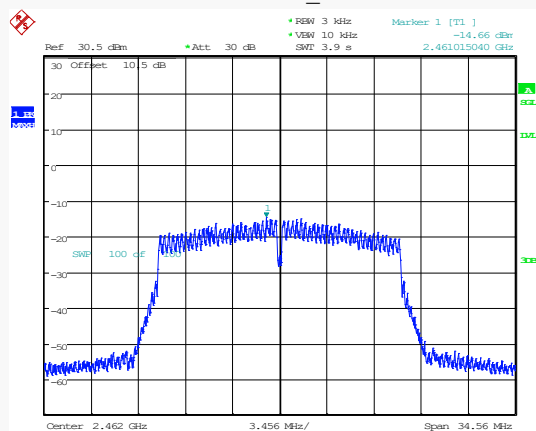
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Date: 3.SEP.2026 15:48:01

802.11n20_2437MHz



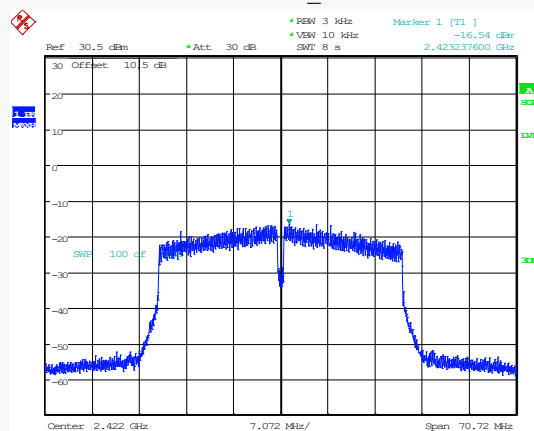
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Date: 3.SEP.2026 16:02:22

802.11n20_2462MHz



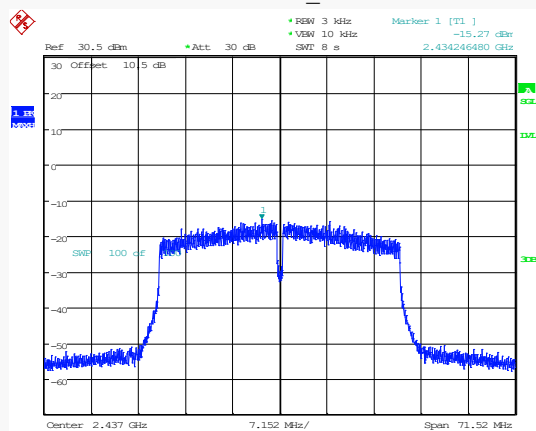
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 16:17:39

802.11n40_2422MHz



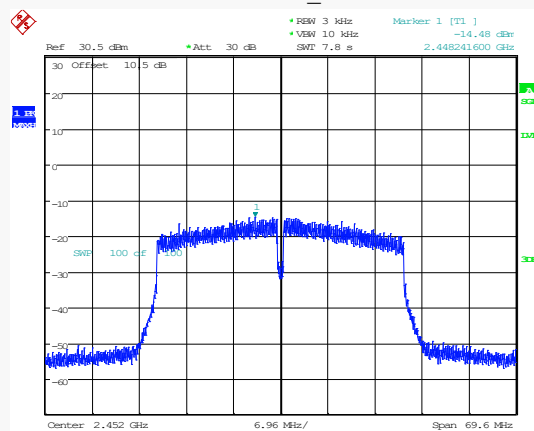
ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 4.SEP.2026 14:32:27

802.11n40_2437MHz



ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 17:57:41

802.11n40_2452MHz



ProjectNo.:RKSB260804001 Tester:Neil Zhou
Date: 3.SEP.2026 18:18:32

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT C - TEST SETUP PHOTOGRAPHS.

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with “★”.
2. The test data was only valid for the test sample(s).
3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor $k=2$ with the 95.45% confidence interval.

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