

FCC Part 1.1310

RF Exposure Evaluation REPORT

For

FCC ID : 2AQVB-P241F

Model : DN2400F-B01P-01

Report Type : Original Report

Product Name : 2.4GHz HD Wireless Link

Report Number : RXZ251125069SA01

Report Date : 2026/02/09

Prepared By : Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

70, Lane 169, Sec. 2, Datong Road, Xizhi Dist.,

New Taipei City 221, Taiwan, R.O.C.

Tel: +886 (2)2647 6898

Fax: +886 (2)2647 6895

www.bacl.com.tw

**Facilities : The test site used by Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)
to collect test data is located on**

70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 221,

Taiwan, R.O.C.

Statement of Compliance

Applicant (Certification Holder)	Taisync Technology Inc.
	2051 Junction Ave. Ste 115 San Jose California 95131 United States
Brand (Trade) Name	Viulinx
Product (Equipment) Name	2.4GHz HD Wireless Link
Model Name	DN2400F-B01P-01
HVIN	N/A
Series Model Name	N/A
Model Discrepancy	N/A

Measurement Procedures and Standards Used:

- ☒ FCC Part 2.1091
- ☒ FCC Part 1.1307

The measurement results in this report were performed at Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

Report Issued Date : 2026-02-09

Reviewed By : Anson Lu 

Revision History

Revision	No.	Report Number	Issue Date	Description	Author/ Revised by
0.0	RXZ25112069	RXZ251125069SA01	2026.02.09	Original Report	Anson Lu

TABLE OF CONTENTS

1. General Information 5

2. RF Output Power Evaluation 6

3. FCC §1.1310 - RF Exposure..... 7

4. RF Exposure Evaluation Result..... 9

Note: It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (New Taipei Laboratory)

1. General Information

Product Description for Equipment under Test (EUT)

Product Name	2.4GHz HD Wireless Link
Frequency Range	2410 ~ 2470 MHz
Conducted Tune-Up Power (dBm)	Transmitter Module : Antenna1 : 29.0 dBm Antenna2 : 26.5 dBm Receiver Module : Antenna1 : 29.0 dBm Antenna2 : 26.5 dBm
Modulation Technique	OFDM
Antenna Specification	Antenna Type : Dipole antenna Antenna Gain : 5.5 dBi
Received Date	2025/11/25

**All measurement and test data in this report was gathered from production sample serial number:
RXZ251125069-1, RXZ251125069-2 (Assigned by BACL (New Taipei Laboratory)).*

2. RF Output Power Evaluation

Please refer to RF report No: RXZ251125069RF01.

Conducted Output Power for Transmitter Module :

Channel	Frequency (MHz)	Conducted Peak Output Power(dBm)
Antenna 1		
Low	2410	28.60
Middle	2444	27.61
High	2470	27.05
Antenna 2		
Low	2410	26.43
Middle	2444	25.60
High	2470	25.02

Conducted Output Power for Receiver Module :

Channel	Frequency (MHz)	Conducted Peak Output Power(dBm)
Antenna 1		
Low	2410	28.57
Middle	2444	27.53
High	2470	27.01
Antenna 2		
Low	2410	26.39
Middle	2444	25.51
High	2470	24.96

3. FCC §1.1310 - RF Exposure

Applicable Standard

According to subpart §1.1310 (a) Specific absorption rate (SAR) shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in [§ 1.1307\(b\) of this part](#) within the frequency range of 100 kHz to 6 GHz (inclusive).

§1.1310 (d)(2) For operations within the frequency range of 300 kHz and 6 GHz (inclusive), the limits for maximum permissible exposure (MPE), derived from whole-body SAR limits and listed in Table 1 in [paragraph \(c\)\(1\)](#) of this section, may be used instead of whole-body SAR limits as set forth in [paragraphs \(a\)](#) through [\(c\)](#) of this section to evaluate the environmental impact of human exposure to RF radiation as specified in [§ 1.1307\(b\) of this part](#), except for portable devices as defined in [§ 2.1093 of this chapter](#) as these evaluations shall be performed according to the SAR provisions in [§ 2.1093](#).

§1.1310 (d)(3) At operating frequencies above 6 GHz, the MPE limits listed in Table 1 in [paragraph \(c\)\(1\)](#) of this section shall be used in all cases to evaluate the environmental impact of human exposure to RF radiation as specified in [§ 1.1307\(b\) of this part](#).

For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section.

Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$

(C) Or using Table 1 and the minimum separation distance (R in meters) from the body of a nearby person for the frequency (f in MHz) at which the source operates, the ERP (watts) is no more than the calculated value prescribed for that frequency. For the exemption in Table 1 to apply, R must be at least $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. If the ERP of a single RF source is not easily obtained, then the available maximum time-averaged power may be

used in lieu of ERP if the physical dimensions of the radiating structure(s) do not exceed the electrical length of $\lambda/4$ or if the antenna gain is less than that of a half-wave dipole (1.64 linear value).

Table 1 to § 1.1307(b)(3)(i)(C) - Single RF Sources Subject to Routine Environmental Evaluation

RF Source frequency (MHz)	Threshold ERP (watts)
0.3-1.34	$1,920 R^2$.
1.34-30	$3,450 R^2/f^2$.
30-300	$3.83 R^2$.
300-1,500	$0.0128 R^2 f$.
1,500-100,000	$19.2 R^2$.

4. RF Exposure Evaluation Result

Transmitter Module :

Antenna	Freq. (MHz)	Conducted Output Power(dBm)	Tune-up Power (Avg/dBm)	Antenna Gain (dBi)	Distances (mm)	Tune-up Power (Avg/mW)	ERP (dBm)	ERP (mW)
Antenna1	2410	28.60	29.00	5.5	200	794.33	32.35	1717.91
Antenna1	2444	27.61	29.00	5.5	200	794.33	32.35	1717.91
Antenna1	2470	27.05	29.00	5.5	200	794.33	32.35	1717.91
Antenna2	2410	26.43	26.50	5.5	200	446.68	29.85	966.05
Antenna2	2444	25.60	26.50	5.5	200	446.68	29.85	966.05
Antenna2	2470	25.02	26.50	5.5	200	446.68	29.85	966.05

Note : Tune-up power was declared by manufacturer.

§ 1.1307(b)(3)(i)(A) and (C) method is not applicable.

Antenna	Freq. (MHz)	$\lambda/2\pi$ (mm)	ERP Limit (mW)	Result
Antenna1	2410	19.81	768.00	not exempt
Antenna1	2444	19.54	768.00	not exempt
Antenna1	2470	19.33	768.00	not exempt
Antenna2	2410	19.81	768.00	not exempt
Antenna2	2444	19.54	768.00	not exempt
Antenna2	2470	19.33	768.00	not exempt

§ 1.1307(b)(3)(i)(B)

Antenna	Freq. (MHz)	Pth (mW)	ERP 20cm (mW)	Result
Antenna1	2410	3060.00	3060	exempt
Antenna1	2444	3060.00	3060	exempt
Antenna1	2470	3060.00	3060	exempt
Antenna2	2410	3060.00	3060	exempt
Antenna2	2444	3060.00	3060	exempt
Antenna2	2470	3060.00	3060	exempt

The available maximum time-averaged power or effective radiated power (ERP), whichever is greater

This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).

The Antenna1 and Antenna2 cannot transmit at the same time.

Receiver Module :

Antenna	Freq. (MHz)	Conducted Output Power(dBm)	Tune-up Power (Avg/dBm)	Antenna Gain (dBi)	Distances (mm)	Tune-up Power (Avg/mW)	ERP (dBm)	ERP (mW)
Antenna1	2410	28.57	29.00	5.5	200	794.33	32.35	1717.91
Antenna1	2444	27.53	29.00	5.5	200	794.33	32.35	1717.91
Antenna1	2470	27.01	29.00	5.5	200	794.33	32.35	1717.91
Antenna2	2410	26.39	26.50	5.5	200	446.68	29.85	966.05
Antenna2	2444	25.51	26.50	5.5	200	446.68	29.85	966.05
Antenna2	2470	24.96	26.50	5.5	200	446.68	29.85	966.05

Note : Tune-up power was declared by manufacturer.

§ 1.1307(b)(3)(i)(A) and (C) method is not applicable.

Antenna	Freq. (MHz)	$\lambda/2\pi$ (mm)	ERP Limit (mW)	Result
Antenna1	2410	19.81	768.00	not exempt
Antenna1	2444	19.54	768.00	not exempt
Antenna1	2470	19.33	768.00	not exempt
Antenna2	2410	19.81	768.00	not exempt
Antenna2	2444	19.54	768.00	not exempt
Antenna2	2470	19.33	768.00	not exempt

§ 1.1307(b)(3)(i)(B)

Antenna	Freq. (MHz)	Pth (mW)	ERP 20cm (mW)	Result
Antenna1	2410	3060.00	3060	exempt
Antenna1	2444	3060.00	3060	exempt
Antenna1	2470	3060.00	3060	exempt
Antenna2	2410	3060.00	3060	exempt
Antenna2	2444	3060.00	3060	exempt
Antenna2	2470	3060.00	3060	exempt

The available maximum time-averaged power or effective radiated power (ERP), whichever is greater

This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).

The Antenna1 and Antenna2 cannot transmit at the same time.

Result: The device compliant the SAR-Based Exemption at 20cm distances.

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