

SAR Exemption Evaluation

Applicant Hong Kong Future Intelligent Technology Co., Limited
FCC ID 2BKBC-XFVI-G01
Product NEXS G1
Brand NEXS
Model XFVI-G01
Report No. EFTA25070156-IE-02-S1
Issue Date September 10, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **KDB 447498 D01 General RF Exposure Guidance v06**. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.

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1 Test Laboratory

1.1 Notes of the Test Report

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1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
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1.4 Laboratory Environment

Temperature	Min. = 18°C, Max. = 25°C
Relative humidity	Min. = 20%, Max. = 80%
Ground system resistance	< 0.5 Ω
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

2 Description of Equipment Under Test

Client Information

Applicant	Hong Kong Future Intelligent Technology Co., Limited
Applicant address	Room 1450 14/F, Eton Tower, 8 Hysan Avenue, Causeway Bay, Hong Kong, China
Manufacturer	Hong Kong Future Intelligent Technology Co., Limited
Manufacturer address	Room 1450 14/F, Eton Tower, 8 Hysan Avenue, Causeway Bay, Hong Kong, China

General Technologies

Application Purpose	Original Grant
EUT Stage	Identical Prototype
Model	XFVI-G01
SN	D250157
Hardware Version	JX622-01-A_V1.3
Software Version	0.1.0.67
Antenna Type	Internal Antenna
Date of Testing	July 21, 2025 ~ July 22, 2025
Date of Sample Received	July 11, 2025
Note: The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.	

Wireless Technology and Frequency Range

Wireless Technology		Modulation	Operating Mode	Tx (MHz)
BT	2.4G	Version 5.4 LE		2402 ~2480

3 Test Specification, Methods and Procedures

Reference Standards

KDB 447498 D01 General RF Exposure Guidance v06

4 Max Output Power and Tune Up

BLE	Output Power(dBm)			Tune-up Limit (dBm)
	Channel/Frequency(MHz)			
	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	
Bluetooth LE (1Mbps)	7.75	7.89	7.55	9.50
Bluetooth LE (2Mbps)	7.88	7.79	7.57	9.50

5 Standalone SAR Test Exclusion Considerations

Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

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

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Band	Configuration	Frequency (MHz)	Distance (mm)	MAX Tune Up (dBm)	Ratio	SAR test exclusion thresholds	Routine Evaluation
Bluetooth	Body-worn	2440	15	9.50	0.93	3	No
	Hotspot	2440	10	9.50	1.39	3	No
	Extremity SAR	2440	5	9.50	2.78	7.5	No

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine evaluation.

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

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