

SAR Exemption Evaluation Report

Applicant	Trackonomy
FCC ID	2AXA8-RWB-3001
Product	Multifunctional IoT Platform Sensor Device
Brand	Trackonomy
Model	RWB-3001
Report No.	EFTA26080071-IE-07-S1
Issue Date	September 9, 2026

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.
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2 Description of Equipment Under Test

Client Information

Applicant	Trackonomy
Applicant address	214 Devcon Drive, San Jose, CA 95112, United States
Manufacturer	Trackonomy
Manufacturer address	214 Devcon Drive

General Technologies

Application Purpose	Original Grant
EUT Stage	Identical Prototype
Model	RWB-3001
Lan Internal SN	EFTA26080071-IE-07/S01
Hardware Version	V1
Software Version	V1
Antenna Type	Internal Antenna
Date of Testing	August 6, 2026 ~ August 11, 2026
Date of Sample Received	August 6, 2026
EUT Accessory	
Battery	Manufacturer: Panasonic Model: CR2032
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)
Bluetooth	2.4G	Version 5.3 LE		2402 ~2480

3 Evaluation Standard

KDB 447498 D01 General RF Exposure Guidance v06

4 Maximum Tune up Tolerance and Output Power

BLE	Conducted Power(dBm)			Tune-up (dBm)
	Channel/Frequency(MHz)			
	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	
GFSK	4.43	4.32	4.20	4.50

Band	Maximum Tune up Tolerance	
	(dBm)	(mW)
Bluetooth LE	4.50	2.82

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)	Calculation Value	SAR test exclusion thresholds	Routine Evaluation
Bluetooth LE	Body-worn SAR	2480	10	6.00	0.44	3	No
	Extremity SAR	2480	0	6.00	0.89	7.5	No

Note:

1. As described above, according to KDB 447498 D01, if the calculated result is less than or equal to 3.0 for 1-g SAR and less than or equal to 7.5 for 10-g extremity SAR, the device is exempt from SAR testing.
2. Calculation Value = $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$.
3. 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 *****