TEST REPORT

Product Name:	Radar Module
Trademark:	B&T 博安通 / 安信可科技 Ai-Thinker
Model Number:	Rd-03, Rd-03_V2, Rd-03H
Prepared For:	Shenzhen Ai-Thinker Technology Co., Ltd
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Sample Received Date:	Sep. 06, 2023
Sample tested Date:	Sep. 06, 2023 to Oct. 08, 2023
Issue Date:	Jul. 09, 2025
Report No.:	CTB25070700502RH01
Test Standards	EN 62479:2010 EN 50663:2017
Test Results	PASS
Remark:	This is RED health test report.

Compiled by:	Reviewed by:	Approved by:
Zhou Kui	Arron Liu	Bin Mei / Director

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

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1. VERSION

Report No.	Issue Date	Description	Approved
CTB231008040RHX	Oct. 8, 2023	Original	Invalid
CTB25070700502RH01	Jul. 9, 2025	Modification	Valid

Remark:
This report was commissioned by Shenzhen Ai-Thinker Technology Co., Ltd. It only changed the model based on the original report CTB231008040RHX. The test data and conclusions in this report are based on the original report CTB231008040RHX.

2. GENERAL INFORMATION

2.1 Product Information

Model(s):	Rd-03, Rd-03_V2, Rd-03H
Model Description:	All the model are the same circuit and RF module, only the name is different. Test sample model: Rd-03
Hardware Version:	V1.1
Software Version:	V1.0
Operation Frequency:	24-24.25GHz
Max. RF output power(EIRP):	0.59dBm
Number of Chains	Transmit:1 Receive:1
Type of Modulation:	FMCW
Antenna installation:	Internal antenna
Antenna Gain:	0.5dBi
Ratings:	DC 3.3V

3. Health Requirements

3.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (10MHz to 300GHz)
Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level Pmax.
Annex A contains example values for Pmax derived from existing exposure limits listed in the bibliography, such as the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2], and IEEE Std C95.1-2005 [3].
For wireless devices operated close to a person's body with available antenna powers and/or average total radiated powers higher than the Pmax values given in Annex A, the alternative Pmax values (called Pmax′), described in Annex B can also be used.

For low power equipment using pulsed signals, other limits may apply in addition to those considered in Annex A and Annex B. Both ICNIRP guidelines [1] and IEEE standards [2], [3] have specific restrictions on exposures to pulsed fields, and the requirements of those standards with respect to exposure to pulses shall be met. Annex C discusses this topic further.

Exposure tier	Region of body	Exclusion level Pmax
General public	Head and trunk	20mW(13dBm)
General public	Limbs	40mW(16dBm)

3.2 Exposure Evaluation

Mode	The worst e.i.r.p. (dBm)	Pmax(dBm)	Result
SRD	0.59	13	PASS
Remark: 1,refer to RF test report for e.i.r.p. 2, After performed the test at low/middle/high channel, the record is the worst.			

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