



Test Report No.:
FCCSZ2025-0041-H

RF Test Report

FCC ID : 2AOKI-M6

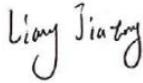
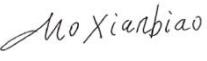
NAME OF SAMPLE : 60 GHz radar sensor Module

APPLICANT : Sichuan AI-Link Technology Co.,Ltd.

CLASSIFICATION OF TEST : N/A

CVC Testing Technology (Shenzhen) Co., Ltd.



Applicant	Name: Sichuan AI-Link Technology Co.,Ltd. Address: Anzhou Industrial Park, Mianyang, Sichuan, P.R.C		
Manufacturer	Name: Sichuan AI-Link Technology Co.,Ltd. Address: Anzhou Industrial Park, Mianyang, Sichuan, P.R.C		
Equipment Under Test	Name: 60 GHz radar sensor Module Model/Type: MR60I13I6 Additional Model: N/A BRAND: AI-LINK Serial NO.: N/A Sample NO.: 1-1		
Date of Receipt.	May 19,2025	Date of Testing	May 19,2025~May 23,2025
Test Specification		Test Result	
FCC Part 2 (Section 2.1091) KDB 447498 D04v01		PASS	
Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied.		
Seal of CVC Issue Date: May 24,2025			
Compiled by:  <u>Liang Jiatong</u> Name Signature	Reviewed by:  <u>Mo Xianbiao</u> Name Signature	Approved by:  <u>Dong Sanbi</u> Name Signature	
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed		Fail = failed	N/A= not applicable
EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCCSZ2025-0041-H	Original release	May 24,2025

1 GENERAL PRODUCT INFORMATION

PRODUCT	60 GHz radar sensor Module
BRAND	AI-LINK
TEST MODEL	MR60I13I6
ADDITIONAL MODEL	N/A
POWER SUPPLY	DC 5V
MODULATION TECHNOLOGY	FMCW
FREQUENCY RANGE	60 ~ 61GHz
PEAK OUTPUT POWER	2.49dBm for TM1
ANTENNA TYPE (Note 4)	AIP antenna
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A

Note:

1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. EUT photo refer to report.
4. Since the above data and/or information is provided by the client, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

2 RF EXPOSURE LIMITGENERAL INFORMATION

2.1 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

2.2 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (FCC)

(Option 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).

RF SOURCE FREQUENCY (MHZ)	THRESHOLD ERP(W)
0.3 - 1.34	$1,920 R^2$
1.34 - 30	$3,450 R^2 F^2$
30 -300	$3.83 R^2$
300-1500	$0.0128 R^2 F$
1500-100,000	$19.2R^2$

2.3 CALCULATION RESULT OF MAXIMUM POWER

The measured PEAK Power

Mode	EIRP Power (dBm)
60.5GHz	2.49

The tuned Power (declared by client)

Mode	Frequency (GHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
60.5GHz	60-61	2	±1	1	3

MAXIMUM PERMISSIBLE EXPOSURE (FCC)

Mode	Frequency (GHz)	Max EIRP Power(dBm)	R (cm)	ERP (dBm)	ERP (W)	Threshold ERP(W)
62.5GHz	60-61	3	20	0.85	0.0012	0.77

Note: ERP=EIRP-2.15dB

Conclusion:

Therefore, confirmed that the device compliance with FCC RF exposure requirements..

----- End of the Report -----

Important

- (1) The test report is invalid without the official stamp of CVC;
- (2) Any part photocopies of the test report are forbidden without the written permission from CVC;
- (3) The test report is invalid without the signatures of Approval and Reviewer;
- (4) The test report is invalid if altered;
- (5) Objections to the test report must be submitted to CVC within 15 days.
- (6) Generally, commission test is responsible for the tested samples only.
- (7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

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