

Shanghai AllyNav Technology Co.,Ltd.
Room 201, Building 1, No 215, Gaoguang RD, Qingpu District, Shanghai, China

Date: **2026/04/08**

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046
Attn: OET Dept.
Ref: FCC new Grants for FCC ID: 2AT4H-R73
Applicant Name: Shanghai AllyNav Technology Co.,Ltd.

Dear Examiner,

The host equipment: R73 (FCC ID: 2AT4H-R73) is a new product with two certified module
Certified module 1: (SIM7600G (Module FCC ID: 2AJYU-8PYA008). Grant date: 08/14/2020) integrated.
Certified module 2: (ESP32-C3-MINI-1U (Module FCC ID: 2AC7Z-ESPC3MINII). Grant date: 05/06/2022) integrated.

Certified module 1: (SIM7600G (Module FCC ID: 2AJYU-8PYA008). Grant date: 08/14/2020)

This module is a Single Module, which is integrated into the host without any impact on the RF performance. and can be integrated into the main unit without affecting RF performance. Considering the antenna is designed for the main unit (R73), we retested the power, effective radiated power, equivalent isotropic radiated power, and Radiated Spurious Emission after integrating the module. When the main unit (R73) integrates this module, and the device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Remark: The main unit (R73) also includes a module (EC600U-CN) that does not use the transmitting function, and The transmitting signal(eg. 4G) of this module (EC600U-CN) is turned off through software control.

Certified module 2: (ESP32-C3-MINI-1U (Module FCC ID: 2AC7Z-ESPC3MINII). Grant date: 05/06/2022)

This module is a Single Module, which is integrated into the host without any impact on the RF performance. and can be integrated into the main unit without affecting RF performance. Considering the antenna is designed for the main unit (R73), we retested the Radiated spurious emissions and Conducted Emission on AC Mains test item after integrating the module. When the main unit (R73) integrates this module, and the device complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

The original module (ESP32-C3-MINI-1U) has Bluetooth functionality; However, The main unit (R73) does not utilize this feature and has disabled the Bluetooth function through software.

Test report data clarification (Certified module 1):

Test Standard	Original test reports No.:	Testing Data	Remark
FCC 47 CFR Part 22 Subpart H FCC 47 CFR Part 24 Subpart E FCC 47 CFR Part 27 FCC 47 CFR Part 90 Reports No.: SHE25110056-02AE(Part 22/24/27) CHTW26045001(Part 90)	STS2006042W01	Add test: ERP/EIRP/Radiated Spurious Emission	For other conduction method test items, please refer to the original report; The host device is Mobile

Test report data clarification (Certified module 2):

Test Standard	Original test reports No.:	Testing Data	Remark
FCC CFR47 Part 15.247, Subpart C Reports No.: SHE25110056-02CE	R2107A0598-R1	Add test: Radiated Spurious Emission, Band Edge (Restricted-band band- edge) and Conducted Emission on AC Mains and	For other conduction method test items, please refer to the original report; The host device is Mobile

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CONCLUSION

This radio device continues to meet all FCC standard requirements.

Please contact me if you have any questions or need further information regarding this application.

Sincerely,



Signature

Date: 2026/04/08

Printed Name of Signee: Kaibin Yao

Company Name: Shanghai AllyNav Technology Co.,Ltd.

Company Address: Room 201, Building 1, No 215, Gaoguang RD, Qingpu District, Shanghai, China