

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Shanghai PartnerX Robotics Co., Ltd.
8th Floor, Building 90, No.1122 North Qinzhou Rd.
Shanghai, China 200233

Manufacturing site : PartnerX(Changzhou) Robotics Co., Ltd.
Factory 23, Innovative Industrial Park, No.377 South
Wuyi Rd., Wujin High-tech Industrial Zone, Changzhou
City, Jiangsu Province, China.

Product Name : Abilix Educational Robot Module Series

Type/Model : Boya 3, Boya 4, Boya 5, Boya 6, Boya 7, Boya 8

TEST RESULT : PASS

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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Prepared by:



Nemo Li (*Project Engineer*)

Reviewed by:



Daniel Zhao (*Reviewer*)

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

As we can see from the test report 170800464SHA-001:

| Frequency band | Power | Antenna Gain | R | S | Limits |
|----------------|-------|--------------|------|-----------------------|-----------------------|
| (MHz) | (dBm) | (dBi) | (cm) | (mW/cm ²) | (mW/cm ²) |
| 2400-2483.5 | 24.44 | -1 | 20 | 0.0439 | 1 |

Note: 1 mW/cm² from 1.310 Table 1

This level is below the simultaneous transmission MPE test exclusion requirements (≤ 1.0).

Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation.
To ensure compliance, operations at closer than this distance is not recommended.