

D-ROBOTICS HOLDING LIMITED

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Modular Approval Letter

Date: 2024-07-14

FEDERAL COMMUNICATIONS COMMISSIONS

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

We, D-ROBOTICS HOLDING LIMITED, hereby request Modular Approval for Product: RDK X3 (Model number: RDK X3 4G, RDK X3 2G, FCC ID: 2BGUG-RDKX3K). The EUT meets most of the requirement for modular approval as detailed in FCC 15.212. the requirements is described below:

1. The modular has RF shielding, please refer to the EUT photo.
2. The modular transmitter has buffered modulation/data inputs, Buffered data inputs stage has been integrated in chip (Model: RTL8821CS).
3. The modular transmitter has its own power supply regulation. Please refer to the Block Diagram.
4. Comply with the antenna requirements of Section 15.203 and 15.204(c), the modular have a PCB or dipole antenna permanently attached to the module, the antenna maximum gain :

maximum Gain Antenna type	2.4G	5.2G	5.8G
PCB antenna	2.27dBi	2.25dBi	2.24dBi
Dipole antenna	2.76dBi	2.33dBi	1.56dBi

5. The EUT was tested in a stand-alone configuration, please refer to setup photos exhibit for details.
6. The module labeled with its own FCC ID.
7. Comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. The necessary explanation to be complied with this requirement is contained in the user manual, and please refers to the User Manual.
8. Comply with any applicable RF exposure requirements in its final configuration.

Sincerely,

Chunxu Hu

Signature:

Printed Name: Chunxu Hu

Title: Project Manager