



TEST REPORT

Application No.: BTEK230913012AE
Applicant: Robkoo Information & Technologies Co., Ltd.
Address of Applicant: B109, DoBe E-Manor of Qibao, Hua Zhong Rd, Minhang District, Shanghai, China
Manufacturer: Robkoo Information & Technologies Co., Ltd.
Address of Manufacturer: B109, DoBe E-Manor of Qibao, Hua Zhong Rd, Minhang District, Shanghai, China
Factory: Robkoo Information & Technologies Co., Ltd.
Address of Factory: B109, DoBe E-Manor of Qibao, Hua Zhong Rd, Minhang District, Shanghai, China
Equipment Under Test (EUT):
EUT Name: Clarii
Model No.: Clarii mini
Trade Mark: ROBKOO
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2023-09-13
Date of Test: 2023-09-14 to 2023-12-15
Date of Issue: 2023-12-15

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Damon Su

Damon Su
EMC Laboratory Manager





Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-12-15		Original

Authorized for issue by			
		Carl Yang Carl Yang /Project Engineer	
		Elma Yang Elma Yang /Reviewer	



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3 General Information

3.1 Details of E.U.T.

Power supply:	DC 3.7V 1200mAh 4.44Wh from battery and charged by DC 5V 1A.
Cable(s):	/
For Bluetooth	
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	V5.0 Classic
	This test report is for classic mode.
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Hopping Channel Type:	Adaptive Frequency Hopping systems
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Number of Channels:	79
Sample Type:	Portable device
Antenna Type:	PCB Antenna
Antenna Gain:	3.42dBi
For BLE	
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	V5.0 Classic
Modulation Type:	GFSK
Number of Channels:	40
Sample Type:	Portable device
Antenna Type:	PCB Antenna
Antenna Gain:	3.42dBi
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.			



3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103

Tel:0755-2334 4200

Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

4.1 Assessment Result

☒ Passed ☐ Not Applicable

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BT-EDR	2402	3.93	4	0.78	3.0	Pass
BT-BLE	2402	0.72	1	0.39	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

