Report No.: GTS201611000157E03

TEST REPORT

Applicant:	Red Bear Electronic (Shenzhen) Co Ltd
Address of Applicant:	Rm 610, 6/F, Block B, JinYuan Building, 302 XiXiang Avenue, Bao An District, Shenzhen, China

Equipment Under Test (EUT)

Product Name:	BLE Module
Model No.:	MB-N2, Nano2, Blend2
Applicable standards:	EN 62479:2010
Date of sample receipt:	November 23, 2016
Date of Test:	November 23-25, 2016
Date of report issue:	November 25, 2016
Test Result :	PASS *

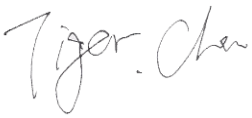
* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The protection requirements with respect to electromagnetic compatibility contained in Directive 1999/5/EC are considered.

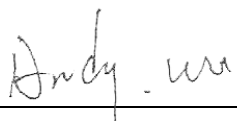
Robinson Lo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*November 25, 2016*	*Original*

Prepared By:  ***Date:*** *November 25, 2016*

Project Engineer

Check By:  ***Date:*** *November 25, 2016*

Reviewer

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4 General Information

4.1 Client Information

Applicant:	Red Bear Electronic (Shenzhen) Co Ltd
Address of Applicant:	Rm 610, 6/F, Block B, JinYuan Building, 302 XiXiang Avenue, Bao An District, Shenzhen, China
Manufacturer/Factory:	Red Bear Electronic (Shenzhen) Co Ltd
Address of Manufacturer/Factory:	Rm 610, 6/F, Block B, JinYuan Building, 302 XiXiang Avenue, Bao An District, Shenzhen, China

4.2 General Description of EUT

Product Name:	BLE Module
Model No.:	MB-N2, Nano2, Blend2
Test Model:	MB-N2
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The only difference is the model name and battery capacity for commercial purpose.	
Operation Frequency:	2402~2480MHz
Channel Numbers:	BT V4.0: 40
Channel Separation:	BT V4.0: 2MHz
Modulation Type:	BT V4.0: GFSK
Antenna Type:	Ceramic antenna
Antenna Gain:	1.3dBi(declare by Applicant)
Power Supply:	DC 3.3V

4.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● **FCC —Registration No.: 600491**

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, June 22, 2016

● **Industry Canada (IC) —Registration No.: 9079A-2**

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. Has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A-2, August 15, 2016.

4.4 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.
Address: No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China
Tel: 0755-27798480
Fax: 0755-27798960

4.5 Description of Support Units

None.

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.

4.8 Other Information Requested by the Customer

None.

5 Technical Requirements Specification in EN 62479

Test Requirement:	EN 62479
Test Method:	EN 62479
General Description of Applied Standards	Assesment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
Limit:	20mW
Result:	Pass

5.1 Measurement data

BT 4.0 Mode					
Channel	Frequency (MHz)	Output Power (dBm)	Output Power (mW)	Pmax Limit (mW)	Result
Lowest	2402	-2.81	0.524	20	Pass
Middle	2440	-2.88	0.515		
Highest	2480	-2.64	0.545		

------End------