



# SAR TEST REPORT

<b>Product Name</b>	Smart Terminal
<b>Model Name</b>	BN-HH-G03
<b>Brand Name</b>	Baynexus
<b>FCC ID</b>	2ABHWBN-HH-G03
<b>Client</b>	BayNexus Inc
<b>Manufacturer</b>	BayNexus Inc
<b>Date of issue</b>	September 17, 2015

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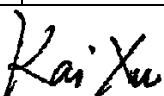
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**GENERAL SUMMARY**

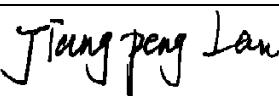
<b>Reference Standard(s)</b>	FCC 47CFR §2.1093 Radiofrequency Radiation Exposure Evaluation: Portable Devices <b>KDB 447498 D01 Mobile Portable RF Exposure v05r02:</b> Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies
<b>Conclusion</b>	SAR test exclusion
<b>Comment</b>	The test result only responds to the measured sample.

Approved by



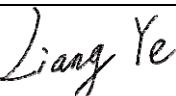
Kai Xu  
Director

Revised by



Jiangpeng Lan  
SAR Manager

Performed by



Liang Ye  
SAR Engineer

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## Test Report

### 1. General Information

#### 1.1. Notes of the Test Report

**TA Technology (Shanghai) Co., Ltd.** has obtained the accreditation of China National Accreditation Service for Conformity Assessment (CNAS), and accreditation number: L2264.

**TA Technology (Shanghai) Co., Ltd.** guarantees the reliability of the data presented in this test report, which is the results of measurements and tests performed for the items under test on the date and under the conditions stated in this test report and is based on the knowledge and technical facilities available at TA Technology (Shanghai) Co., Ltd. at the time of execution of the test.

**TA Technology (Shanghai) Co., Ltd.** is liable to the client for the maintenance by its personnel of the confidentiality of all information related to the items under test and the results of the test. This report only refers to the item that has undergone the test.

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of **TA Technology (Shanghai) Co., Ltd.**

If the electronic report is inconsistent with the printed one, it should be subject to the latter.

#### 1.2. Testing Laboratory

Company: TA Technology (Shanghai) Co., Ltd.  
Address: No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China  
City: Shanghai  
Post code: 201201  
Country: P. R. China  
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### 1.3. Applicant Information

Company: BayNexus Inc  
Address: B307,530 Building TaiHu International Science park Wu XI  
China

### 1.4. Manufacturer Information

Company: BayNexus Inc  
Address: B307,530 Building TaiHu International Science park Wu XI  
China

### 1.5. Information of EUT

#### General Information

Device Type:	Portable Device
Exposure Category:	Uncontrolled Environment / General Population
State of Sample:	Prototype Unit
IMEI:	863930021086487
Hardware Version:	S80-V31
Software Version:	90 0C 00 00 00 00 07
Antenna Type:	Internal Antenna
Device Operating Configurations:	
Operating Mode(s):	RFID (902-928); (tested)

#### Auxiliary equipment details

##### AE1: Battery

Model: G3  
Manufacturer: ShenZhen FREE Technology co., Ltd  
S/N: 624053P

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## 2. Test Results

### 2.1. Conducted Power Results

**Table 1: Conducted Power Measurement Results**

RFID	Conducted Power (dBm)		
	Channel/Frequency(MHz)		
	902.75	915	927.25
DSB-ASK	9.522	9.443	9.202

### 2.2. Standalone SAR Test Exclusion Considerations

Per FCC KDB 447498 D01, the SAR exclusion threshold for distances <50mm is defined by the following equation:

$$\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} * \sqrt{\text{Frequency (GHz)}} \leq 3.0$$

Band	Configuration	Frequency (MHz)	Maximum Power (dBm)	Separation Distance (mm)	Calculation Result	SAR Exclusion Thresholds	Standalone SAR
RFID	Head	927.25	10	5	1.93	3.0	No

Follow the Calculation Result, the Smart Terminal qualifies for the SAR test exclusion.

**\*\*\*END OF REPORT \*\*\***

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**ANNEX A: The EUT Appearances and Test Configuration**



a.EUT

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b.Battery

**Picture 1: Constituents of the EUT**