



SAR TEST REPORT

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

TA Technology (Shanghai) Co., Ltd.

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Test Report

Report No. RXA1507-0129SAR

Page 2 of 8

GENERAL SUMMARY

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

Approved by *Kai Xu*
Kai Xu
Director

Revised by *Jiang peng Lan*
Jiangpeng Lan
SAR Manager

Performed by *Liang Ye*
Liang Ye
SAR Engineer

TABLE OF CONTENT

1. General Information	4
1.1. Notes of the Test Report.....	4
1.2. Testing Laboratory.....	4
1.3. Applicant Information	5
1.4. Manufacturer Information.....	5
1.5. Information of EUT.....	5
2. Test Results	6
2.1. Conducted Power Results	6
2.2. Standalone SAR Test Exclusion Considerations	6
ANNEX A: The EUT Appearances and Test Configuration	7

TA Technology (Shanghai) Co., Ltd. Test Report

Report No. RXA1507-0129SAR

Page 4 of 8

1. General Information

1.1. Notes of the Test Report

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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.

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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.**

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1.2. Testing Laboratory

Company: TA Technology (Shanghai) Co., Ltd.
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TA Technology (Shanghai) Co., Ltd.

Test Report

Report No. RXA1507-0129SAR

Page 5 of 8

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

TA Technology (Shanghai) Co., Ltd.
Test Report

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

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

***END OF REPORT ***

ANNEX A: The EUT Appearances and Test Configuration



a.EUT



b.Battery

Picture 1: Constituents of the EUT