



TEST REPORT FOR BLUETOOTH PROTOCOL-CONFORMANCE TESTING

Report No: SRTC2018-9004(S)-18061502(B)

Product Name: BX2400 Bluetooth Component

Product Model: BX2400

Applicant: BlueX Microelectronics (Hefei) Co., Ltd.

Manufacturer: BlueX Microelectronics (Hefei) Co., Ltd.

Specification: Bluetooth Protocol Test Suite Structure and Test Purposes

The State Radio_monitoring_center Testing Center (SRTC)

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1 GENERAL INFORMATION

1.1 Notes of the test report

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The test results relate only to individual items of the samples which have been tested.

1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Address:	15th Building, No.30 Shixing Street, Shijingshan District
City:	Beijing
Country or Region:	P.R.China
Contacted person:	Peng Zhen
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1.3 Applicant's details

Company:	BlueX Microelectronics (Hefei) Co., Ltd.
Address:	Phase 2 Building F1, Suite 2107 No. 500 Wangjiang Rd., Hefei, Anhui, P.R. China
City:	Hefei
Country or Region:	P.R.China
Contacted person:	Zhou Ming
Tel:	+8613671862872
Fax:	+886-3-6670727
Email:	mingzhou@bluexmicro.com

1.4 Manufacturer's details

Company:	BlueX Microelectronics (Hefei) Co., Ltd.
Address:	Phase 2 Building F1, Suite 2107 No. 500 Wangjiang Rd., Hefei, Anhui, P.R. China
City:	Hefei
Country or Region:	P.R.China
Contacted person:	Zhou Ming
Tel:	+8613671862872
Fax:	+886-3-6670727
Email:	mingzhou@bluexmicro.com

1.5 Test Environment

Period of testing:	2018.06.01~2018.06.14
PIXIT:	See annex B
ATS Specification:	BITE System Manual(Ver.2.0.3) Harmony™ Test System User Manual
Abstract test method:	Remote single layer embedded
Conformance log reference:	Refer to LOG documents
Retention date for log reference:	5 years
Test Requested:	Protocol Conformance testing

Environmental Data:	Temperature (°C)	Humidity (%)	Air pressure (kPa)
Ambient:	+15 ~+35	20~75	101.1

Software:	Test Manager (version 2.1.2.3) Harmony LE Tester(version 17.10.15051.15478)
Hardware:	Signalling Unit AT4 wireless (Serial No. E1111000131) Harmony LE Tester(Serial No. C1809-00017)
Test Setup:	Testing according to the Bluetooth Test HCI.TS.5.0.2; LL.TS.5.0.2;
Test Procedures:	Testing according to the Bluetooth Test HCI.TS.5.0.2; LL.TS.5.0.2;

1.6 Implementation Under Test (IUT)

Product Name:	BX2400 Bluetooth Component
Product Model:	BX2400
Software Revision:	V01
Hardware Revision:	V01
PICS:	See Annex A
Bluetooth Address:	665544332299
Description of IUT:	The BX2400, integrated with ARM Cortex-M0+, is a single-chip solution for Bluetooth Low Energy specification Core 5.0 and is compatible with Bluetooth V4.2. BX2400 provides ultra-low power solution for BLE connections. Rich digital and analog peripheral interfaces are integrated for external control which includes GPIO, SPI, UART, IIC, PWM and ADC.
Sampling method:	Sample Delivered

1.7 Limits and reservations

The test results presented in this test report apply only to the particular implementation under test (IUT) declared in section 1.6 of this report, for the functionality described in the relevant Protocol Implementation Conformance Statement (PICS), as presented for test on the date(s) declared in section 1.5 and configured as declared in the relevant Protocol Implementation Extra Information for Testing (PIXIT).

This test report does not constitute or imply, by its own, to be an approval of the product by Qualification Bodies, Certification Bodies or competent Authorities.

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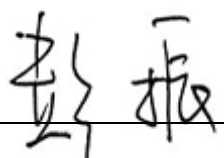

2 TEST RESULT SUMMARY

This IUT has been shown by conformance assessment to be non-conforming to the referenced ATS specification(s).

Static Conformance errors:	NO
Dynamic Conformance errors:	NO

Number of test cases run:

Passed:	304
Failed:	0
Inconclusive:	0
Total:	304

This Test Report Is Issued by: Mr. Peng Zhen 	Checked by: Mr. Sun Yang 
Tested by: Ms. Shang Yangmei 	Issued date: 20180627

3 STATIC CONFORMANCE SUMMARY

The PICS(s) for this IUT are consistent with the static conformance requirements in the referenced base specification(s).

The qualified PICS/PIXIT menu of the test system was defined in accordance with the client.

4 DYNAMIC CONFORMANCE SUMMARY

The test campaign did not reveal errors in the IUT.

5 STATIC CONFORMANCE REVIEW REPORT

The static conformance information is detailed in tabular form. Following it is a description of the different columns and their possible values.

Correct Column:	This column indicates the number of PICS that are correct according to the PICS specification. The label to make visible the column is SCR_CORRECT.
Incorrect Column:	This column indicates the number of PICS that are incorrect according to the PICS specification. The label to make visible the column is SCR_INCORRECT
Not filled Column:	This column indicates the protocol or profile related to the following information. The label to make visible the column is SCR_NOTFILLED.

HCI (Version: 1.0.17.0)

Correct	Incorrect	Not Filled
84	0	0

LL (Version: 1.0.24.0)

Correct	Incorrect	Not Filled
63	0	0

6 TEST CAMPAIGN REPORT

The abbreviations used in the header row of the test campaign report tables are:

Name:	It shows the name of the Test Case. The label is TC_NAME.
Executed Date:	Date of the execution of the Test Case. The label is TC_DATE.
Verdict:	Records the verdict assigned to each test case run to completion. Following verdicts are possible: Pass: If the test case passed Fail: If the test case failed Inc: If the test case is inconclusive. The label is TC_VERDICT.

6.1 HCI (HCI Version: 1.0.17.0)

No.	Test Case Id	Verdict	Date
1.	TP/CON/INI/BV-01-C	PASS	2018/6/2
2.	TP/CON/INI/BV-08-C	PASS	2018/6/11
3.	TP/CON/INI/BV-08-C	PASS	2018/6/11
4.	TP/CON/INI/BV-08-C	PASS	2018/6/11
5.	TP/CON/INI/BV-09-C	PASS	2018/6/11
6.	TP/CON/INI/BV-11-C	PASS	2018/6/11
7.	TP/CON/INI/BV-10-C	PASS	2018/6/11
8.	TP/CON/MAS/BV-03-C	PASS	2018/6/6
9.	TP/CON/MAS/BV-07-C	PASS	2018/6/2
10.	TP/CON/MAS/BV-08-C	PASS	2018/6/2
11.	TP/CON/MAS/BV-09-C	PASS	2018/6/2
12.	TP/CON/MAS/BV-13-C	PASS	2018/6/4
13.	TP/CON/MAS/BV-20-C	PASS	2018/6/4
14.	TP/CON/SLA/BV-04-C	PASS	2018/6/2
15.	TP/CON/SLA/BV-10-C	PASS	2018/6/8
16.	TP/CON/SLA/BV-11-C	PASS	2018/6/2
17.	TP/CON/SLA/BV-11-C	PASS	2018/6/2
18.	TP/CON/SLA/BV-23-C	PASS	2018/6/11

No.	Test Case Id	Verdict	Date
19.	TP/CON/SLA/BV-12-C	PASS	2018/6/2
20.	TP/CON/SLA/BV-14-C	PASS	2018/6/4
21.	TP/CON/SLA/BV-19-C	PASS	2018/6/4
22.	TP/DDI/ADV/BV-01-C	PASS	2018/6/1
23.	TP/DDI/BV-03-C	PASS	2018/6/4
24.	TP/DDI/ADV/BV-01-C	PASS	2018/6/1
25.	TP/DDI/ADV/BV-03-C	PASS	2018/6/1
26.	TP/DDI/ADV/BV-05-C	PASS	2018/6/1
27.	TP/DDI/ADV/BV-08-C	PASS	2018/6/1
28.	TP/DDI/BV-04-C	PASS	2018/6/13
29.	TP/DDI/SCN/BV-01-C	PASS	2018/6/1
30.	TP/DDI/SCN/BV-03-C	PASS	2018/6/1
31.	TP/DDI/SCN/BV-05-C	PASS	2018/6/2
32.	TP/DDI/SCN/BV-02-C	PASS	2018/6/1
33.	TP/DDI/SCN/BV-04-C	PASS	2018/6/1
34.	TP/DDI/SCN/BV-13-C	PASS	2018/6/11
35.	TP/DDI/SCN/BV-15-C	PASS	2018/6/11
36.	TP/DDI/SCN/BV-15-C	PASS	2018/6/11
37.	TP/DSU/BV-02-C	PASS	2018/6/2
38.	TP/DSU/BV-03-C	PASS	2018/6/2
39.	TP/DSU/BV-04-C	PASS	2018/6/2
40.	TP/DSU/BV-05-C	PASS	2018/6/2
41.	TP/DSU/BV-06-C	PASS	2018/6/2
42.	TP/AEN/BV-06-C	PASS	2018/6/13
43.	TP/AEN/BV-07-C	PASS	2018/6/13
44.	TP/FRH/MAS/BV-01-C	PASS	2018/6/2
45.	TP/FRH/SLA/BV-01-C	PASS	2018/6/2
46.	TP/HFC/BV-04-C	PASS	2018/6/2

No.	Test Case Id	Verdict	Date
47.	TP/SEC/ADV/BV-01-C	PASS	2018/6/2
48.	TP/SEC/ADV/BV-02-C	PASS	2018/6/11
49.	TP/SEC/ADV/BV-02-C	PASS	2018/6/11
50.	TP/SEC/ADV/BV-02-C	PASS	2018/6/11
51.	TP/SEC/ADV/BV-06-C	PASS	2018/6/11
52.	TP/SEC/ADV/BV-07-C	PASS	2018/6/14
53.	TP/SEC/ADV/BV-08-C	PASS	2018/6/14
54.	TP/SEC/ADV/BV-09-C	PASS	2018/6/14
55.	TP/SEC/ADV/BV-11-C	PASS	2018/6/14
56.	TP/SEC/ADV/BV-12-C	PASS	2018/6/14
57.	TP/SEC/ADV/BV-13-C	PASS	2018/6/14
58.	TP/SEC/MAS/BV-01-C	PASS	2018/6/2
59.	TP/SEC/SCN/BV-01-C	PASS	2018/6/2
60.	TP/SEC/SLA/BV-01-C	PASS	2018/6/8
61.	TP/CCO/BV-09-C	PASS	2018/6/14
62.	TP/CCO/BV-10-C	PASS	2018/6/13
63.	TP/CCO/BV-11-C	PASS	2018/6/14
64.	TP/CCO/BV-12-C	PASS	2018/6/13
65.	TP/CCO/BV-13-C	PASS	2018/6/13
66.	TP/CCO/BV-14-C	PASS	2018/6/13
67.	TP/CCO/BV-15-C	PASS	2018/6/13
68.	TP/CFC/BV-02-C	PASS	2018/6/2
69.	TP/CIN/BV-03-C	PASS	2018/6/4
70.	TP/CIN/BV-04-C	PASS	2018/6/4
71.	TP/CIN/BV-06-C	PASS	2018/6/2
72.	TP/CM/BV-01-C	PASS	2018/6/14
73.	TP/CM/BV-02-C	PASS	2018/6/14
74.	TP/CM/BV-03-C	PASS	2018/6/13

No.	Test Case Id	Verdict	Date
75.	TP/CON/ADV/BV-01-C	PASS	2018/6/2
76.	TP/CON/INI/BI-01-C	PASS	2018/6/2
77.	TP/CON/INI/BI-01-C	PASS	2018/6/2

6.2 LL (LL Version: 1.0.24.0)

No.	Test Case Id	Verdict	Date
1.	LL/CON/MAS/BV-82-C	PASS	2018/6/11
2.	TP/CON/MAS/BV-24-C	PASS	2018/6/11
3.	TP/CON/MAS/BV-25-C	PASS	2018/6/11
4.	TP/CON/MAS/BV-26-C	PASS	2018/6/11
5.	TP/CON/MAS/BV-29-C	PASS	2018/6/11
6.	LL/CON/MAS/BV-81-C	PASS	2018/6/14
7.	TP/CON/MAS/BV-41-C	PASS	2018/6/11
8.	TP/CON/MAS/BV-43-C	PASS	2018/6/11
9.	TP/CON/MAS/BV-45-C	PASS	2018/6/11
10.	TP/CON/MAS/BV-46-C	PASS	2018/6/11
11.	TP/CON/MAS/BV-51-C	PASS	2018/6/11
12.	TP/CON/MAS/BV-47-C	PASS	2018/6/11
13.	TP/CON/MAS/BV-48-C	PASS	2018/6/11
14.	TP/CON/MAS/BV-49-C	PASS	2018/6/11
15.	TP/CON/MAS/BV-50-C	PASS	2018/6/13
16.	TP/CON/SLA/BI-01-C	PASS	2018/6/1
17.	TP/CON/SLA/BV-02-C	PASS	2018/6/2
18.	TP/CON/SLA/BV-15-C	PASS	2018/6/2
19.	TP/CON/SLA/BV-16-C	PASS	2018/6/2
20.	TP/CON/SLA/BV-17-C	PASS	2018/6/1
21.	TP/CON/SLA/BV-18-C	PASS	2018/6/2
22.	TP/TIM/SLA/BV-05-C	PASS	2018/6/2
23.	TP/CON/SLA/BI-02-C	PASS	2018/6/1

No.	Test Case Id	Verdict	Date
24.	TP/CON/SLA/BI-04-C	PASS	2018/6/1
25.	TP/CON/SLA/BI-05-C	PASS	2018/6/4
26.	TP/CON/SLA/BI-07-C	PASS	2018/6/11
27.	TP/CON/SLA/BI-08-C	PASS	2018/6/11
28.	TP/CON/SLA/BV-29-C	PASS	2018/6/11
29.	TP/CON/SLA/BV-30-C	PASS	2018/6/11
30.	TP/CON/SLA/BV-31-C	PASS	2018/6/11
31.	TP/CON/SLA/BV-32-C	PASS	2018/6/11
32.	TP/CON/SLA/BV-33-C	PASS	2018/6/11
33.	TP/CON/SLA/BV-34-C	PASS	2018/6/11
34.	TP/CON/SLA/BI-09-C	PASS	2018/6/11
35.	TP/CON/SLA/BV-40-C	PASS	2018/6/13
36.	TP/CON/SLA/BV-44-C	PASS	2018/6/11
37.	TP/CON/SLA/BV-45-C	PASS	2018/6/11
38.	TP/CON/SLA/BV-48-C	PASS	2018/6/11
39.	TP/CON/SLA/BV-51-C	PASS	2018/6/11
40.	TP/CON/SLA/BV-04-C	PASS	2018/6/2
41.	TP/CON/SLA/BV-05-C	PASS	2018/6/2
42.	TP/CON/SLA/BV-06-C	PASS	2018/6/2
43.	TP/CON/SLA/BV-10-C	PASS	2018/6/8
44.	TP/TIM/SLA/BV-01-C	PASS	2018/6/2
45.	TP/CON/SLA/BV-11-C	PASS	2018/6/2
46.	TP/CON/SLA/BV-12-C	PASS	2018/6/2
47.	TP/CON/SLA/BV-13-C	PASS	2018/6/2
48.	TP/CON/SLA/BV-14-C	PASS	2018/6/4
49.	TP/CON/SLA/BV-19-C	PASS	2018/6/4
50.	TP/CON/SLA/BV-20-C	PASS	2018/6/4
51.	TP/CON/SLA/BV-21-C	PASS	2018/6/1

No.	Test Case Id	Verdict	Date
52.	TP/CON/SLA/BV-22-C	PASS	2018/6/11
53.	TP/CON/SLA/BV-23-C	PASS	2018/6/11
54.	TP/CON/SLA/BV-24-C	PASS	2018/6/11
55.	TP/CON/SLA/BV-25-C	PASS	2018/6/11
56.	TP/CON/SLA/BV-26-C	PASS	2018/6/14
57.	TP/CON/SLA/BV-27-C	PASS	2018/6/11
58.	LL/CON/SLA/BV-85-C	PASS	2018/6/14
59.	LL/CON/SLA/BV-86-C	PASS	2018/6/11
60.	TP/CON/SLA/BV-28-C	PASS	2018/6/11
61.	TP/CON/SLA/BV-42-C	PASS	2018/6/11
62.	TP/CON/SLA/BV-46-C	PASS	2018/6/11
63.	TP/CON/SLA/BV-47-C	PASS	2018/6/11
64.	TP/CON/SLA/BV-49-C	PASS	2018/6/13
65.	TP/CON/SLA/BV-50-C	PASS	2018/6/13
66.	TP/CON/SLA/BV-52-C	PASS	2018/6/13
67.	TP/CON/SLA/BV-53-C	PASS	2018/6/13
68.	TP/DDI/ADV/BI-01-C	PASS	2018/6/1
69.	TP/DDI/ADV/BI-02-C	PASS	2018/6/1
70.	TP/DDI/ADV/BV-06-C	PASS	2018/6/1
71.	TP/DDI/ADV/BV-01-C	PASS	2018/6/1
72.	TP/DDI/ADV/BV-02-C	PASS	2018/6/1
73.	TP/DDI/ADV/BV-03-C	PASS	2018/6/1
74.	TP/DDI/ADV/BV-04-C	PASS	2018/6/1
75.	TP/DDI/ADV/BV-05-C	PASS	2018/6/1
76.	TP/ENC/ADV/BI-01-C	PASS	2018/6/2
77.	TP/DDI/ADV/BV-07-C	PASS	2018/6/1
78.	TP/DDI/ADV/BV-08-C	PASS	2018/6/1
79.	TP/DDI/ADV/BV-09-C	PASS	2018/6/7

No.	Test Case Id	Verdict	Date
80.	TP/DDI/ADV/BV-11-C	PASS	2018/6/1
81.	TP/DDI/ADV/BV-15-C	PASS	2018/6/1
82.	TP/DDI/ADV/BV-16-C	PASS	2018/6/1
83.	TP/DDI/ADV/BV-17-C	PASS	2018/6/1
84.	TP/DDI/ADV/BV-18-C	PASS	2018/6/1
85.	TP/DDI/ADV/BV-19-C	PASS	2018/6/11
86.	TP/DDI/ADV/BV-20-C	PASS	2018/6/11
87.	TP/DDI/SCN/BI-01-C	PASS	2018/6/2
88.	TP/DDI/SCN/BV-03-C	PASS	2018/6/1
89.	TP/DDI/SCN/BI-02-C	PASS	2018/6/1
90.	TP/DDI/SCN/BV-01-C	PASS	2018/6/1
91.	TP/DDI/SCN/BV-10-C	PASS	2018/6/1
92.	TP/DDI/SCN/BV-11-C	PASS	2018/6/4
93.	TP/DDI/SCN/BV-12-C	PASS	2018/6/1
94.	TP/DDI/SCN/BI-03-C	PASS	2018/6/11
95.	TP/DDI/SCN/BV-15-C	PASS	2018/6/11
96.	TP/DDI/SCN/BV-16-C	PASS	2018/6/11
97.	TP/DDI/SCN/BV-17-C	PASS	2018/6/11
98.	TP/DDI/SCN/BV-18-C	PASS	2018/6/11
99.	TP/DDI/SCN/BV-02-C	PASS	2018/6/1
100.	TP/DDI/SCN/BV-04-C	PASS	2018/6/1
101.	TP/DDI/SCN/BV-05-C	PASS	2018/6/2
102.	TP/DDI/SCN/BV-13-C	PASS	2018/6/11
103.	TP/DDI/SCN/BV-14-C	PASS	2018/6/11
104.	TP/ENC/ADV/BI-02-C	PASS	2018/6/2
105.	TP/CON/ADV/BI-01-C	PASS	2018/6/2
106.	TP/CON/ADV/BV-01-C	PASS	2018/6/2
107.	TP/CON/ADV/BV-03-C	PASS	2018/6/2

No.	Test Case Id	Verdict	Date
108.	LL/PAC/MAS/BI-01-C	PASS	2018/6/12
109.	TP/PAC/MAS/BV-01-C	PASS	2018/6/2
110.	TP/ENC/INI/BI-01-C	PASS	2018/6/2
111.	TP/CON/INI/BI-02-C	PASS	2018/6/2
112.	TP/CON/INI/BV-01-C	PASS	2018/6/2
113.	TP/CON/INI/BV-03-C	PASS	2018/6/2
114.	TP/ENC/MAS/BI-01-C	PASS	2018/6/2
115.	TP/TIM/MAS/BV-02-C	PASS	2018/6/2
116.	TP/CON/MAS/BV-14-C	PASS	2018/6/2
117.	TP/CON/MAS/BV-15-C	PASS	2018/6/2
118.	TP/CON/MAS/BV-16-C	PASS	2018/6/2
119.	TP/CON/MAS/BV-17-C	PASS	2018/6/2
120.	TP/CON/MAS/BV-18-C	PASS	2018/6/2
121.	TP/ENC/SCN/BI-01-C	PASS	2018/6/2
122.	TP/ENC/SCN/BI-02-C	PASS	2018/6/2
123.	TP/ENC/SLA/BI-01-C	PASS	2018/6/2
124.	TP/TIM/SLA/BV-02-C	PASS	2018/6/2
125.	TP/TIM/SLA/BV-03-C	PASS	2018/6/2
126.	TP/TIM/SLA/BV-04-C	PASS	2018/6/2
127.	TP/FRH/ADV/BV-01-C	PASS	2018/6/2
128.	TP/FRH/MAS/BV-01-C	PASS	2018/6/2
129.	TP/FRH/MAS/BV-03-C	PASS	2018/6/11
130.	TP/FRH/SLA/BV-01-C	PASS	2018/6/2
131.	LL/PAC/SLA/BI-01-C	PASS	2018/6/12
132.	TP/PAC/SLA/BV-01-C	PASS	2018/6/2
133.	TP/SEC/ADV/BV-01-C	PASS	2018/6/2
134.	TP/SEC/ADV/BV-02-C	PASS	2018/6/11
135.	TP/SEC/ADV/BV-03-C	PASS	2018/6/14

No.	Test Case Id	Verdict	Date
136.	TP/SEC/ADV/BV-04-C	PASS	2018/6/11
137.	TP/SEC/ADV/BV-05-C	PASS	2018/6/14
138.	TP/SEC/ADV/BV-06-C	PASS	2018/6/11
139.	TP/SEC/ADV/BV-07-C	PASS	2018/6/14
140.	TP/SEC/ADV/BV-08-C	PASS	2018/6/14
141.	TP/SEC/ADV/BV-09-C	PASS	2018/6/14
142.	TP/SEC/ADV/BV-10-C	PASS	2018/6/14
143.	TP/SEC/ADV/BV-11-C	PASS	2018/6/14
144.	TP/SEC/ADV/BV-12-C	PASS	2018/6/14
145.	TP/SEC/ADV/BV-13-C	PASS	2018/6/14
146.	TP/SEC/ADV/BV-14-C	PASS	2018/6/11
147.	TP/SEC/MAS/BI-01-C	PASS	2018/6/2
148.	TP/SEC/MAS/BI-03-C	PASS	2018/6/2
149.	TP/SEC/MAS/BI-04-C	PASS	2018/6/2
150.	TP/SEC/MAS/BI-05-C	PASS	2018/6/2
151.	TP/SEC/MAS/BI-06-C	PASS	2018/6/2
152.	TP/SEC/MAS/BI-07-C	PASS	2018/6/2
153.	TP/SEC/MAS/BV-02-C	PASS	2018/6/2
154.	TP/SEC/MAS/BI-08-C	PASS	2018/6/2
155.	TP/SEC/MAS/BI-09-C	PASS	2018/6/2
156.	TP/SEC/MAS/BV-04-C	PASS	2018/6/2
157.	TP/CON/ADV/BV-02-C	PASS	2018/6/2
158.	TP/SEC/MAS/BV-01-C	PASS	2018/6/2
159.	TP/SEC/MAS/BV-03-C	PASS	2018/6/2
160.	TP/SEC/MAS/BV-05-C	PASS	2018/6/2
161.	TP/SEC/MAS/BV-06-C	PASS	2018/6/11
162.	TP/SEC/MAS/BV-07-C	PASS	2018/6/11
163.	TP/SEC/MAS/BV-08-C	PASS	2018/6/11

No.	Test Case Id	Verdict	Date
164.	TP/SEC/MAS/BV-09-C	PASS	2018/6/11
165.	TP/SEC/MAS/BV-10-C	PASS	2018/6/11
166.	TP/SEC/MAS/BV-11-C	PASS	2018/6/11
167.	TP/SEC/MAS/BV-12-C	PASS	2018/6/11
168.	TP/SEC/MAS/BV-14-C	PASS	2018/6/11
169.	TP/SEC/MAS/BV-13-C	PASS	2018/6/11
170.	TP/SEC/SCN/BV-01-C	PASS	2018/6/2
171.	TP/SEC/SLA/BI-01-C	PASS	2018/6/2
172.	TP/SEC/SLA/BI-03-C	PASS	2018/6/2
173.	TP/SEC/SLA/BI-04-C	PASS	2018/6/2
174.	TP/SEC/SLA/BI-05-C	PASS	2018/6/11
175.	TP/CON/ADV/BV-04-C	PASS	2018/6/2
176.	TP/SEC/SLA/BV-01-C	PASS	2018/6/8
177.	TP/SEC/SLA/BV-04-C	PASS	2018/6/2
178.	TP/SEC/SLA/BV-02-C	PASS	2018/6/2
179.	TP/SEC/SLA/BV-03-C	PASS	2018/6/2
180.	TP/SEC/SLA/BV-05-C	PASS	2018/6/4
181.	TP/SEC/SLA/BV-06-C	PASS	2018/6/11
182.	TP/SEC/SLA/BV-07-C	PASS	2018/6/11
183.	TP/SEC/SLA/BV-08-C	PASS	2018/6/11
184.	TP/SEC/SLA/BV-09-C	PASS	2018/6/11
185.	TP/SEC/SLA/BV-10-C	PASS	2018/6/11
186.	TP/SEC/SLA/BV-11-C	PASS	2018/6/11
187.	TP/TIM/ADV/BV-01-C	PASS	2018/6/2
188.	TP/TIM/ADV/BV-02-C	PASS	2018/6/2
189.	TP/TIM/MAS/BV-01-C	PASS	2018/6/2
190.	TP/CON/MAS/BV-02-C	PASS	2018/6/1
191.	TP/TIM/SLA/BV-06-C	PASS	2018/6/2

No.	Test Case Id	Verdict	Date
192.	TP/TIM/SLA/BV-07-C	PASS	2018/6/2
193.	TP/CON/INI/BI-01-C	PASS	2018/6/2
194.	TP/CON/INI/BV-04-C	PASS	2018/6/2
195.	TP/CON/INI/BV-02-C	PASS	2018/6/11
196.	TP/CON/INI/BV-06-C	PASS	2018/6/4
197.	TP/CON/INI/BV-07-C	PASS	2018/6/2
198.	TP/CON/INI/BV-08-C	PASS	2018/6/11
199.	TP/CON/INI/BV-09-C	PASS	2018/6/11
200.	TP/CON/INI/BV-10-C	PASS	2018/6/11
201.	TP/CON/INI/BV-11-C	PASS	2018/6/11
202.	TP/CON/INI/BV-12-C	PASS	2018/6/11
203.	TP/CON/MAS/BI-02-C	PASS	2018/6/4
204.	TP/CON/MAS/BI-04-C	PASS	2018/6/4
205.	TP/CON/MAS/BI-05-C	PASS	2018/6/11
206.	TP/CON/MAS/BI-06-C	PASS	2018/6/11
207.	TP/CON/MAS/BV-27-C	PASS	2018/6/11
208.	TP/CON/MAS/BV-30-C	PASS	2018/6/11
209.	TP/CON/MAS/BV-31-C	PASS	2018/6/11
210.	TP/CON/MAS/BV-32-C	PASS	2018/6/11
211.	TP/CON/MAS/BV-33-C	PASS	2018/6/11
212.	TP/CON/MAS/BV-34-C	PASS	2018/6/11
213.	TP/CON/MAS/BV-35-C	PASS	2018/6/11
214.	TP/CON/MAS/BV-03-C	PASS	2018/6/6
215.	TP/CON/MAS/BV-04-C	PASS	2018/6/2
216.	TP/CON/MAS/BV-05-C	PASS	2018/6/2
217.	TP/CON/MAS/BV-07-C	PASS	2018/6/2
218.	TP/CON/MAS/BV-08-C	PASS	2018/6/2
219.	TP/CON/MAS/BV-09-C	PASS	2018/6/2

No.	Test Case Id	Verdict	Date
220.	TP/CON/MAS/BV-10-C	PASS	2018/6/2
221.	TP/CON/MAS/BV-13-C	PASS	2018/6/4
222.	TP/CON/MAS/BV-19-C	PASS	2018/6/4
223.	TP/CON/MAS/BV-20-C	PASS	2018/6/4
224.	TP/CON/MAS/BV-21-C	PASS	2018/6/4
225.	TP/CON/MAS/BV-22-C	PASS	2018/6/2
226.	TP/CON/MAS/BV-23-C	PASS	2018/6/11
227.	TP/CON/MAS/BV-28-C	PASS	2018/6/11

7.OBSERVATIONS

There are no observations.

Annex A–Protocol Implementation Conformance Staement(PICS)

The PICS and profile PICS proformas contained in this document are comprised of information in tabular form. Following is a description of the different columns and their possible values.

PICS Name Column:	The capability/feature column describes in free text each respective item. It implicitly means “is <capability> supported by the implementation?”. The label to make visible the column is PIC_NAME.
Reference Column	The item column contains a number which identifies the item in the table. The label to make visible the column is REFERENCE.
Value Column:	<p>The item column shall be filled in by the supplier of the implementation. The following common notations are used for the support column:</p> <p>TRUE: Supported by the implementation FALSE: Not supported by the implementation</p> <p>The label to make visible the column is PIC_Values</p>

HCI (Version: 1.0.17.0)

No.	NAME	REFERENCE	SUPPORTED
1.	TSPC_advertising_state	LL.1.1	TRUE
2.	TSPC_scanning_state	LL.1.2	TRUE
3.	TSPC_initiating_state	LL.1.3	TRUE
4.	TSPC_slave_role	LL.1.4	TRUE
5.	TSPC_master_role	LL.1.5	TRUE
6.	TSPC_support_all_LE_controller_commands	HCI.1.1d	TRUE
7.	TSPC_hci_le_add_device_to_white_list_command	HCI.5.15	TRUE
8.	TSPC_hci_le_clear_white_list_command	HCI.5.16	TRUE
9.	TSPC_hci_le_create_connection_command	HCI.7.23	FALSE
10.	TSPC_hci_le_encrypt_command	HCI.16.32	FALSE
11.	TSPC_controller_aes_ccm	SUM.6.1	TRUE
12.	TSPC_hci_le_set_host_channel_classification_command	HCI.13.8	TRUE
13.	TSPC_hci_le_rand_command	HCI.16.33	TRUE

14.	TSPC_hci_read_bd_address_command	HCI.4.5	TRUE
15.	TSPC_hci_read_local_supported_features_command	HCI.4.3	TRUE
16.	TSPC_hci_le_connection_update_complete_event	HCI.7.28	TRUE
17.	TSPC_hci_le_read_buffer_size_command	HCI.3.5	TRUE
18.	TSPC_hci_reset_command	HCI.2.1	TRUE
19.	TSPC_hci_set_controller_to_host_flow_control_command	HCI.14.4	TRUE
20.	TSPC_hci_set_event_mask_command	HCI.14.2	TRUE
21.	TSPC_hci_le_set_advertising_parameters_command	HCI.6.16	TRUE
22.	TSPC_hci_le_long_term_key_requested_reply_command	HCI.16.34	TRUE
23.	TSPC_hci_le_set_scan_parameters_command	HCI.6.21	TRUE
24.	TSPC_hci_le_set_scan_response_data_command	HCI.6.17	TRUE
25.	TSPC_hci_le_start_encryption_command	HCI.16.35	TRUE
26.	TSPC_hci_le_create_connection_cancel_command	HCI.7.24	TRUE
27.	TSPC_hci_disconnect_command	HCI.7.5	TRUE
28.	TSPC_hci_le_connection_update_command	HCI.7.27	TRUE
29.	TSPC_hci_disconnection_complete_event	HCI.7.26	TRUE
30.	TSPC_hci_le_set_advertise_enable_command	HCI.6.15	TRUE
31.	TSPC_hci_le_set_advertising_data_command	HCI.6.18	TRUE
32.	TSPC_hci_le_set_scan_enable_command	HCI.6.20	FALSE
33.	TSPC_hci_read_buffer_size_command	HCI.3.1	TRUE
34.	TSPC_hci_le_set_event_mask_command	HCI.14.14	TRUE
35.	TSPC_hci_read_local_supported_commands_command	HCI.4.2	TRUE
36.	TSPC_host_buffer_size_command	HCI.14.1	FALSE
37.	TSPC_discoverable_undirected_events	LL.3.5	TRUE
38.	TSPC_advertising_filtering	LL.3.8	TRUE
39.	TSPC_hci_le_read_advertising_channel_tx_power_command	HCI.6.22	TRUE
40.	TSPC_hci_read_local_version_information_command	HCI.4.1	TRUE
41.	TSPC_hci_le_read_white_list_size_command	HCI.5.14	TRUE
42.	TSPC_hci_le_remove_device_from_white_list_command	HCI.5.17	TRUE

43.	TSPC_master_connection_control_timer	LL.7.13	TRUE
44.	TSPC_encryption_start	LL.7.12	TRUE
45.	TSPC_master_pause_encryption	LL.7.19	TRUE
46.	TSPC_master_version_exchange	LL.7.20	TRUE
47.	TSPC_random_address	LL.2.2	TRUE
48.	TSPC_public_address	LL.2.1	TRUE
49.	TSPC_slave_connection_control_timer	LL.6.13	TRUE
50.	TSPC_encryption_start_slave	LL.6.12	TRUE
51.	TSPC_slave_pause_encryption	LL.6.18	TRUE
52.	TSPC_slave_version_exchange	LL.6.19	TRUE
53.	TSPC_LL_defragmentation_slave	LL.6.9	FALSE
54.	TSPC_LL_defragmentation	LL.7.9	FALSE
55.	TSPC_non_connectable_events_master	LL.7.18	TRUE
56.	TSPC_LL_encryption	LL.9.1	TRUE
57.	TSPC_hci_command_complete_event	HCI.1.1	TRUE
58.	TSPC_hci_command_status_event	HCI.1.2	TRUE
59.	TSPC_hci_hardware_error_event	HCI.1.3	TRUE
60.	TSPC_hci_le_set_random_address_command	HCI.5.13	TRUE
61.	TSPC_hci_le_advertising_report_event	HCI.6.19	TRUE
62.	TSPC_hci_le_connection_complete_event	HCI.7.25	TRUE
63.	TSPC_hci_le_read_channel_map_command	HCI.15.8	TRUE
64.	TSPC_hci_le_read_remote_used_features_command	HCI.8.6	TRUE
65.	TSPC_hci_le_read_remote_used_features_complete_event	HCI.8.7	TRUE
66.	TSPC_hci_read_transmit_power_level_command	HCI.15.2	TRUE
67.	TSPC_hci_read_rssi_command	HCI.15.4	TRUE
68.	TSPC_hci_number_completed_packets_event	HCI.14.12	TRUE
69.	TSPC_hci_host_number_completed_packets_command	HCI.14.5	TRUE
70.	TSPC_hci_data_buffer_overflow_event	HCI.14.13	TRUE
71.	TSPC_hci_read_remote_version_information_command	HCI.8.5	TRUE

72.	TSPC_hci_read_remote_version_information_complete_event	HCI.8.8	TRUE
73.	TSPC_hci_le_long_term_key_requested_event	HCI.16.36	TRUE
74.	TSPC_hci_encryption_change_event	HCI.16.37	TRUE
75.	TSPC_hci_encryption_key_refresh_complete_event	HCI.16.38	TRUE
76.	TSPC_hci_le_read_local_supported_features_command	HCI.4.8	TRUE
77.	TSPC_scanning_filtering	LL.4.5	TRUE
78.	TSPC_hci_le_long_term_key_requested_negative_reply_command	HCI.16.39	TRUE
79.	TSPC_LE_controller	HCI.1a.4	TRUE
80.	TSPC_active_scanning	LL.4.3	TRUE
81.	TSPC_passive_scanning	LL.4.1	TRUE
82.	TSPC_connectable_undirected_events	LL.3.2	TRUE
83.	TSPC_advertising_data	LL.3.3	TRUE
84.	TSPC_connectable_directed_events	LL.3.4	TRUE

LL (Version: 1.0.24.0)

No.	NAME	REFERENCE	SUPPORTED
1.	TSPC_advertising_state	LL.1.1	TRUE
2.	TSPC_scanning_state	LL.1.2	TRUE
3.	TSPC_initiating_state	LL.1.3	TRUE
4.	TSPC_slave_role	LL.1.4	TRUE
5.	TSPC_master_role	LL.1.5	TRUE
6.	TSPC_accepting_channel_map_update	LL.6.11	TRUE
7.	TSPC_accepting_connection_requests	LL.3.7	TRUE
8.	TSPC_accepting_parameter_update	LL.6.10	TRUE
9.	TSPC_accepting_termination	LL.7.15	TRUE
10.	TSPC_acknowledgement_scheme_slave	LL.6.2	TRUE
11.	TSPC_active_scanning	LL.4.3	TRUE
12.	TSPC_backoff_procedure	LL.4.4	TRUE

13.	TSPC_connectable_undirected_events	LL.3.2	TRUE
14.	TSPC_connection_supervision_timer	LL.7.16	TRUE
15.	TSPC_connection_supervision_timer_slave	LL.6.16	TRUE
16.	TSPC_receiving_advertising_data	LL.4.2	TRUE
17.	TSPC_advertising_data	LL.3.3	TRUE
18.	TSPC_scanning_filtering	LL.4.5	TRUE
19.	TSPC_master_transmissions	LL.7.1	TRUE
20.	TSPC_passive_scanning	LL.4.1	TRUE
21.	TSPC_receiving_data	LL.7.6	TRUE
22.	TSPC_receiving_data_slave	LL.6.6	TRUE
23.	TSPC_requesting_feature_setup	LL.7.4	TRUE
24.	TSPC_requesting_parameter_update	LL.7.10	TRUE
25.	TSPC_responding_feature_setup_slave	LL.6.4	TRUE
26.	TSPC_requesting_connections	LL.5.1	TRUE
27.	TSPC_sending_data	LL.7.5	TRUE
28.	TSPC_sending_data_slave	LL.6.5	TRUE
29.	TSPC_sending_termination	LL.7.14	TRUE
30.	TSPC_sending_termination_slave	LL.6.14	TRUE
31.	TSPC_slave_transmissions	LL.6.1	TRUE
32.	TSPC_connectable_directed_events	LL.3.4	TRUE
33.	TSPC_sending_scan_responses	LL.3.6	TRUE
34.	TSPC_requesting_directed_advertising	LL.5.2	TRUE
35.	TSPC_initiator_filtering	LL.5.3	TRUE
36.	TSPC_hci_fragmentation_slave	LL.6.8	FALSE
37.	TSPC_hci_fragmentation	LL.7.8	FALSE
38.	TSPC_requesting_channel_map_update	LL.7.11	TRUE
39.	TSPC_support_data_channel_selection_algorithm	LL.8.3	TRUE
40.	TSPC_unknown_response_master	LL.7.3	TRUE
41.	TSPC_unknown_response_slave	LL.6.3	TRUE

42.	TSPC_discoverable_undirected_events	LL.3.5	TRUE
43.	TSPC_advertising_filtering	LL.3.8	TRUE
44.	TSPC_master_connection_control_timer	LL.7.13	TRUE
45.	TSPC_encryption_start	LL.7.12	TRUE
46.	TSPC_master_pause_encryption	LL.7.19	TRUE
47.	TSPC_master_version_exchange	LL.7.20	TRUE
48.	TSPC_random_address	LL.2.2	TRUE
49.	TSPC_public_address	LL.2.1	TRUE
50.	TSPC_slave_connection_control_timer	LL.6.13	TRUE
51.	TSPC_encryption_start_slave	LL.6.12	TRUE
52.	TSPC_slave_pause_encryption	LL.6.18	TRUE
53.	TSPC_slave_version_exchange	LL.6.19	TRUE
54.	TSPC_LL_defragmentation_slave	LL.6.9	FALSE
55.	TSPC_LL_defragmentation	LL.7.9	FALSE
56.	TSPC_non_connectable_events_master	LL.7.18	TRUE
57.	TSPC_LL_encryption	LL.9.1	TRUE
58.	TSPC_acknowledgement_scheme	LL.7.2	TRUE
59.	TSPC_controller_aes_ccm	SUM.6.1	TRUE
60.	TSPC_non_connectable_undirected_events	LL.3.1	TRUE
61.	TSPC_accepting_termination_slave	LL.6.15	TRUE
62.	TSPC_slave_listen_multiple_packets_per_connection_event	LL.6.20	TRUE
63.	TSPC_slave_more_data	LL.6.7	TRUE

Annex B –Protocol Implementation Extra Information ForTesting(PIXT)

The PIXITS and profile PIXITS proformas contained in this document are comprised of information in tabular form. Following is a description of the different columns and their possible values. **All the labels must be preceded and followed by the symbol**

PIXIT Name Column:	The item column contains the PIXIT identifiers. The label to make visible the column is PIX_NAME.
Type Column:	The type column contains the data type. The label to make visible the column is TYPE.
Value Column:	The value column specifies the value that has been used during the execution. The label to make visible the column is PIX_VALUE.

HCI (Version: 1.0.17.0)

NAME	DESCRIPTION	VALUE
TSPX_public_dev_addr_iut	ADDRESS	ADDRESS{'665544'O,'332299'O}
TSPX_public_dev_addr_tester	ADDRESS	ADDRESS{'0A0B0C'O,'0D0E0F'O}
TSPX_adv_interval	ADV_INTERVAL	'00A0'O
TSPX_adv_interval_min	ADV_INTERVAL	'00A0'O
TSPX_conn_interval	CONN_INTERVAL	'0010'O
TSPX_conn_interval_max	CONN_INTERVAL	'0010'O
TSPX_conn_interval_min	CONN_INTERVAL	'000C'O
TSPX_conn_timeout	CONN_TIMEOUT	'001E'O
TSPX_conn_latency	CONN_LATENCY	'0000'O
TSPX_connection_event_minimum_length	MINIMUM_LENGTH	'000C'O
TSPX_connection_event_maximum_length	MAXIMUM_LENGTH	'000C'O
TSPX_supported_advertising_channels	ADVERTISING_CHANNEL_MAP	'07'O
TSPX_scan_interval	SCAN_INTERVAL	'00A0'O
TSPX_scan_window	SCAN_WINDOW	'00A0'O
TSPX_transmit_window_size	TX_SIZE	'06'O

TSPX_transmit_window_offset	TX_OFFSET	'0000'O
TSPX_compid_iut	COMPID	'02B0'O
TSPX_compid_tester	COMPID	'0004'O
TSPX_hci_revision	HCI_REVISION	'0102'O
TSPX_hci_version	HCI_VERSION	'08'O
TSPX_ll_versnr_iut	VERSNR	'00'O
TSPX_ll_versnr_tester	VERSNR	'06'O
TSPX_manufacturer_name_le	MANUFACTURER_NAME_LE	'02B0'O
TSPX_subversnr_iut	SUBVERSNR	'040B'O
TSPX_subversnr_tester	SUBVERSNR	'0000'O
TSPX_filter_duplicates	FILTER_DUPLICATES	'00'O
TSPX_maximum_advertising_data_length	INTEGER	31

LL (Version: 1.0.24.0)

NAME	DESCRIPTION	VALUE
TSPX_public_dev_addr_iut	ADDRESS	ADDRESS{'665544'O,'332299'O}
TSPX_public_dev_addr_tester	ADDRESS	ADDRESS{'0A0B0C'O,'0D0E0F'O}
TSPX_adv_interval	ADV_INTERVAL	'00A0'O
TSPX_adv_interval_max	ADV_INTERVAL	'00A0'O
TSPX_adv_interval_min	ADV_INTERVAL	'00A0'O
TSPX_adv_event_type	EVENT_TYPE	'01'O
TSPX_supported_advertising_channels	ADVERTISING_CHANNEL_MAP	'07'O
TSPX_scan_interval	SCAN_INTERVAL	'00A0'O
TSPX_scan_window	SCAN_WINDOW	'00A0'O
TSPX_conn_interval	CONN_INTERVAL	'0010'O
TSPX_conn_interval_max	CONN_INTERVAL	'0010'O
TSPX_conn_interval_min	CONN_INTERVAL	'000C'O

TSPX_conn_timeout	CONN_TIMEOUT	'001E'O
TSPX_conn_timeout_max	CONN_TIMEOUT	'00C8'O
TSPX_conn_timeout_min	CONN_TIMEOUT	'001E'O
TSPX_conn_latency	CONN_LATENCY	'0000'O
TSPX_connection_event_minimum_length	MINIMUM_LENGTH	'000C'O
TSPX_connection_event_maximum_length	MAXIMUM_LENGTH	'000C'O
TSPX_transmit_window_size	TX_SIZE	'06'O
TSPX_transmit_window_offset	TX_OFFSET	'0000'O
TSPX_scan_req_channel	CHANNEL	'27'O
TSPX_connect_req_channel	CHANNEL	'27'O
TSPX_selected_adv_channel	ADVERTISING_CHANNEL_MAP	'07'O
TSPX_compid_iut	COMPID	'02B0'O
TSPX_compid_tester	COMPID	'0004'O
TSPX_hci_revision	HCI_REVISION	'0102'O
TSPX_hci_version	HCI_VERSION	'08'O
TSPX_ll_versnr_iut	VERSNR	'00'O
TSPX_ll_versnr_tester	VERSNR	'06'O
TSPX_manufacturer_name_le	MANUFACTURER_NAME_LE	'02B0'O
TSPX_subversnr_iut	SUBVERSNR	'040B'O
TSPX_subversnr_tester	SUBVERSNR	'0000'O
TSPX_filter_duplicates	FILTER_DUPLICATES	'00'O
TSPX_hci_data_fragmentation_length	INTEGER	30
TSPX_maximum_advertising_data_length	INTEGER	31

Annex C –EUT Photograph

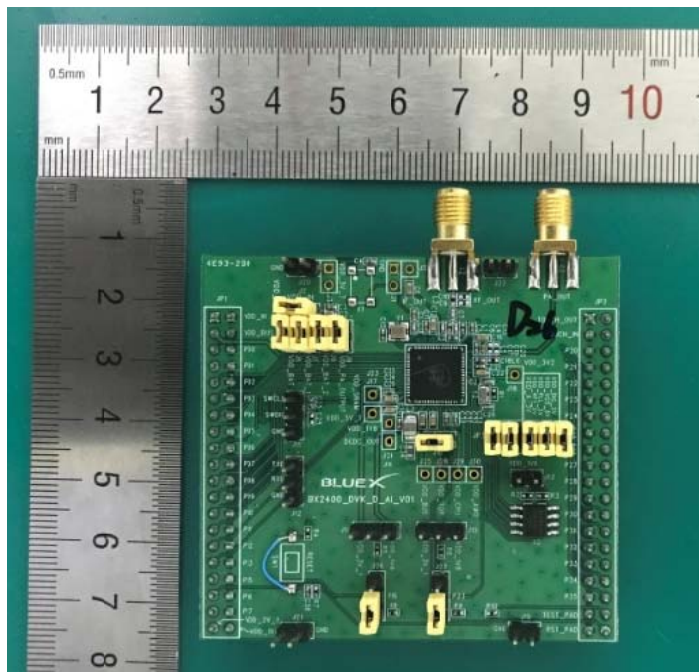


Photo1:The front view of EUT

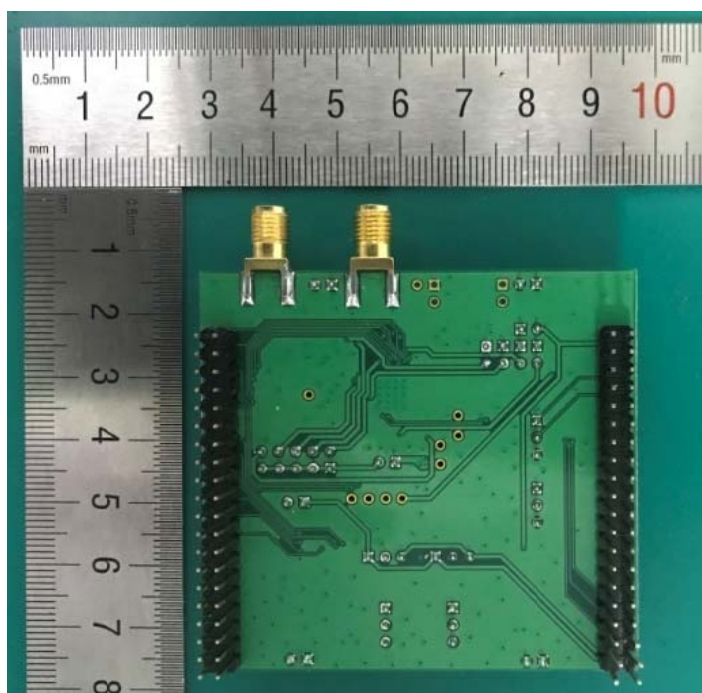


Photo2:The back view of EUT

---End of Test Report---