

Bluetooth Profile and Service Test Report

REPORT NO.: AKZS-WDG-P21123161-2

MODEL NO.: P2

RECEIVED: 2021/12/17

TESTED: 2022/02/26

ISSUED: 2022/05/13

APPLICANT: Particle Industries, Inc

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ISSUED BY: Bureau Veritas Shenzhen Co., Ltd., Dongguan Branch

LAB ADDRESS: No. 96, Guantai Road (Houjie Section) Houjie Town,
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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
AKZS-WDG-P21123161-2	Original release	2022/05/13

1 CERTIFICATION INFO

Applicant:	Particle Industries, Inc
Product Name:	Wi-Fi Module
Brand:	particle
Product Model:	P2
Series Models:	N/A
Product Specification	5.3
HW version:	1.0
SW version:	1.0
TCRL Version:	TCRL 2021-2
Product Type:	Unique Products
Product Description:	Wi-Fi and Bluetooth LE IoT module
Tested Profile(s):	BAS

The above equipment has been tested by **Bureau Veritas Shenzhen Co., Ltd., Dongguan Branch** and found compliance with the requirement of the above test standards.

PREPARED BY : Cheng Zhong
Cheng Zhong/Engineer

DATE: 2022/04/12

APPROVED BY : Joany Peng
Joany Peng/Manager

DATE: 2022/05/13

2 SUMMARY OF TEST RESULTS

The DUT has been tested according to the following specifications:

GATT based Profile Test	SUMMARY OF RESULT			
Profile Name	PASS	FAIL	NA	NT
BAS	3	0	0	0

Tested by: Cheng Zhong

2.1 ABBREVIATIONS IN THIS REPORT:

Pass: for test cases whose requirements where fulfilled.

Fail: for test case whose requirements where NOT fulfilled.

NA: for test cases not applicable for testing.

NT: for test cases not tested

LE: Low Energy

BR: Basic Rate

DUT: Design under test

PICS: Protocol Implementation Conformance Statement

PIXIT: Protocol Implementation Extra Information for Testing

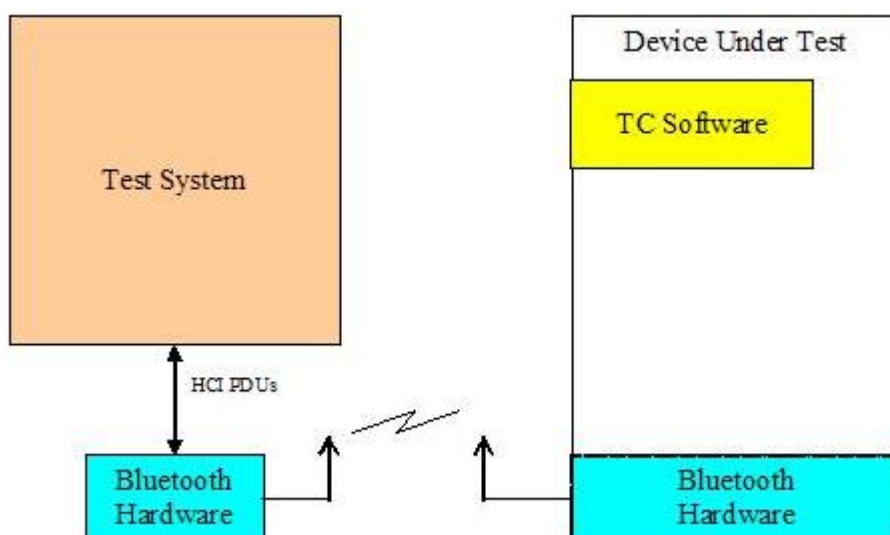
2.2 TESTING EQUIPMENTS

The Test System PTS for Bluetooth is running on a PC System.

The test system communicates with the Bluetooth Hardware via an HCI connection.

The tests are performed as remote tests and all communication between the Test System and the IUT is done via the radio interface.

PTS Tool Version	PTS 8.1.0
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2.3 COMPETENCE AND GUARANTEES

Bureau Veritas is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, Bureau Veritas has a calibration and maintenance program for its measurement equipment.

Bureau Veritas guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at Bureau Veritas at the time of performance of the test.

Bureau Veritas is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

3 USAGE OF SAMPLES, TESTING PERIOD AND ENVIRONMENTAL CONDITIONS

3.1 USAGE OF SAMPLES

Samples below are composed of the following elements:

Item	Control No.	Description	Model	Date of reception
WDG211202/022Q02N02	AKZS-WDG-P21123161-2	Profile Sample	P2	2021/12/17

Samples have undergone the following test(s): As specified in section 5.2.

3.2 TESTING PERIOD

The performed test started on [2021/12/17](#) and finished on [2022/03/04](#).

The tests have been performed at Bureau Veritas.

3.3 TEST ENVIRONMENT

General environmental conditions during tests:

Temperature	Min. = 23°C Max. = 28°C
Relative humidity	Min. = 50% Max. = 60%

4 DUT CONFORMANCE STATUS

4.1 DYNAMIC CONFORMANCE SUMMARY

The test campaign did NOT reveal any errors on the DUT.

5 TEST RESULTS

5.1 DEFINITION

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

Test Case: This Field contains Test Case ID, Test Case Name

Test Case Verdict: Records the verdict of each test case run to completion.

Test Execution Date: The execution Date for the test case

5.2 TEST RESULTS

Test Cases for BAS		Verdict	Execution Date	IUT Configuration
BAS/SR/CR/BV-01-C	Characteristic Read - Battery Level	Pass	2022.3.4	WDG211202/022 Q02N02
BAS/SR/DEC/BV-01-C	Characteristic Declaration - Battery Level	Pass	2022.3.4	WDG211202/022 Q02N02
BAS/SR/SD/BV-01-C	Service Definition	Pass	2022.3.4	WDG211202/022 Q02N02

5.3 REMARKS AND COMMENTS

There are no remarks or comments.

6 SUMMARY

Considering the results of the performed test, stated in section 5.2, the item/s under test is/are IN COMPLIANCE with the specifications listed in section 1 "CERTIFICATION INFO".

NOTE: The results presented in this Test Report apply only to the particular item under test established in section 3, "USAGE OF SAMPLES, TESTING PERIOD AND ENVIRONMENTAL CONDITIONS"

7 INFORMATION ON THE TESTING LABORATORIES

We, **Bureau Veritas Shenzhen Co., Ltd., Dongguan Branch** were founded in 2010 to provide our best service in EMC, RF, Safety, GCF/PTCRB, OTA, Wi-Fi, WiMAX and Energy Efficiency. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

ANNEX A – PHOTOGRAPHS



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