

FCC Radio Test Report

FCC ID: 2A3WK-AP6WAR1

Report No. : BTL-FCCP-1-2111C066C
Equipment : Wireless Access Point
Model Name : AP 6WA
Brand Name :



Applicant : Nomadix, Inc.
Address : 21600 Oxnard Street - 19th floor, Woodland Hills, California, United States
Manufacturer : Nomadix, Inc.
Address : 21600 Oxnard Street - 19th floor, Woodland Hills, California, United States

Radio Function : Bluetooth Low Energy

FCC Rule Part(s) : FCC CFR Title 47, Part 15, Subpart C (15.247)
Measurement : ANSI C63.10-2013
Procedure(s)

Date of Receipt : N/A
Date of Evaluation : 2023/4/27
Issued Date : 2023/5/12

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Approved by :


Jerry Chuang, Supervisor



BTL Inc.

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2111C066C	R00	Original Report.	2023/5/4	Invalid
BTL-FCCP-1-2111C066C	R01	Revised report to address TCB's comments.	2023/5/12	Valid

1 SUMMARY OF TEST RESULTS

Test procedures according to the technical standards.




Standard(s) Section	Description	Test Result	Judgement	Remark
15.207	AC Power Line Conducted Emissions	NOTE (3)	Pass	-----
15.205 15.209 15.247(d)	Radiated Emissions	NOTE (3)	Pass	-----
15.247(a)(2)	Bandwidth	NOTE (3)	Pass	-----
15.247(b)(3)	Output Power	NOTE (3)	Pass	-----
15.247(e)	Power Spectral Density	NOTE (3)	Pass	-----
15.247(d)	Antenna conducted Spurious Emission	NOTE (3)	Pass	-----
15.203	Antenna Requirement	-----	Pass	-----

NOTE:

- (1) "N/A" denotes test is not applicable in this Test Report.
- (2) The report format version is TP.1.1.1.
- (3) According to the declaration of manufacturer, the device of FCC ID: 2A3WK-AP6WAR1 is a variant of FCC ID: 2A3WK-AP6WA.
The difference between two versions is changed WIFI chip and the rests remain identical.
The mentioned above does not affect the performance of Bluetooth Low Energy part, thus, the test data of FCC ID: 2A3WK-AP6WA, report no. BTL-FCCP-5-2111C066, is leveraged in this test report to demonstrate the compliance of the device of FCC ID: 2A3WK-AP6WAR1.

2 GENERAL INFORMATION

2.1 DESCRIPTION OF EUT

Equipment	Wireless Access Point
Model Name	AP 6WA
Brand Name	 NOMADIX
Model Difference	N/A
Power Source	DC voltage supplied from AC/PoE adapter. (Supports Unit)
Power Rating	AC Adapter: 12V  1A PoE Adapter: 48V  0.3A
Products Covered	N/A
Operation Frequency	2402 MHz ~ 2480 MHz
Test Model	N/A
Sample Status	N/A
EUT Modification(s)	N/A

NOTE:

(1) The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

(2) Table for Filed Antenna:

Ant.	Manufacturer	Part number	Type	Connector	Gain (dBi)
1	Fuzhou JieLei Electronic Technology Co.,Ltd.	C168-JL-2858	PIFA	N/A	2.00

The above Antenna information are derived from the antenna data sheet provided by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

3 EVALUATION RESULTS

After evaluated the EUT and the content of the referenced test report, the EUT is found in comply with the requirement of the cited standards and there is no need to re-test.

4 REFERENCED TEST REPORT

FCC ID: 2A3WK-AP6WA, report no. BTL-FCCP-5-2111C066.

End of Test Report