



TEST REPORT

Applicant Name: Ubiety Technologies, Inc
Address: 213 W Institute Pl, Chicago, IL 60610 US
Report Number: 2504X07651E-RF-00C
FCC ID: 2BROM-HC0100

Test Standard (s)

FCC PART 2.1091

Sample Description

Product Name: Halo connect
Model No.: HC0100
Trade Mark: N/A
Date Received: 2025-09-12
Report Date: 2026-02-28

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:

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EMC Engineer

Approved By:

Bob Liao

Bob Liao
EMC Engineer

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504X07651E-RF-00C	Original Report	2026-02-28

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	Halo connect
Tested Model	HC0100
Voltage Range [#]	AC 120V/60Hz Max 6W

Frequency Range	BLE 1M: 2402-2480MHz 2.4G Wi-Fi: 2412-2462MHz
Maximum Conducted Output Power(Peak) (actual test result)	BLE ANT0: 7.51dBm, BLE ANT1:5.76dBm 2.4G WiFi: 22.7dBm
Antenna Specification [#]	PCB Antenna BLE: ANT0: 2.72 dBi, ANT1:2.6dBi 2.4G WiFi: ANT0: 2.72 dBi (It is provided by the applicant.)
Sample Serial Number	39XJ-2 (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts C and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC §2.1091 rules.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

RF EXPOSURE

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (Minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

Result

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Calculated Result:

Radio	Frequency (MHz)	Antenna Gain [#]		Tune up conducted power [#]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
BLE ANT0	2402-2480	2.72	1.87	8	6.31	20	0.002	1
BLE ANT1	2402-2480	2.60	1.82	6	3.98	20	0.001	1
2.4G WiFi ANT0	2412-2462	2.72	1.87	23	199.53	20	0.074	1

Note 1: The tune-up conducted power and antenna gain are declared by the applicant.

Note 2: The ANT0 of BLE and the ANT0 of 2.4G WiFi can't transmission simultaneously.

Note 3: The ANT0 of BLE and the ANT1 of BLE can't transmission simultaneously.

Note 4: The ANT0 of 2.4G WiFi and the ANT1 of BLE can transmission simultaneously.

Simultaneous transmitting consideration (worst case):

The ratio= BLE(ANT1)/Limit + 2.4G WIFI/Limit

$$= 0.001/1 + 0.074/1$$

$$= 0.001 + 0.074$$

$$= 0.075$$

$$< 1.0$$

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliance

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504X07651E-RF EUT External Photos and Attachment No.2 2504X07651E-RF EUT Internal Photos.

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