

RF EXPOSURE REPORT



Applicant:	ICON Health & Fitness Inc.
Address:	1500 South 1000 West, Logan, UT 84321, USA

Manufacturer or Supplier:	ICON Health & Fitness Inc.
Address:	1500 South 1000 West, Logan, UT 84321, USA
Product:	Tablet
Brand Name:	N/A
Model Name:	MP14-ARGON2
FCC ID:	OMC415321
Date of tests:	Nov. 29, 2019 ~ Mar. 03, 2020

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

- ☒ IEEE C95.1
- ☒ FCC Part 2.1091
- ☒ KDB 447498 D01 General RF Exposure Guidance v06

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Alex Chen Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Mar. 04, 2020	 Date: Mar. 04, 2020

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Test Report No.: SA191128W001

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA191128W001	Original release	Mar. 04, 2020

1 GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Tablet	
BRAND NAME	N/A	
MODEL NAME	MP14-ARGON2	
NOMINAL VOLTAGE	DC 12V	
OPERATING TEMPERATURE RANGE	0 ~ 40°C	
MODULATION TYPE	BT_LE	GFSK
	WLAN	DSSS, OFDM
	Bluetooth	GFSK, $\pi/4$ -DQPSK, 8DPSK
OPERATING FREQUENCY	Bluetooth/BT_LE	2402MHz ~ 2480MHz
	WLAN	2412 ~ 2462MHz for 11b/g/n(HT20) 5180 ~ 5240MHz, 5260 ~ 5320MHz, 5500 ~5700MHz, 5745 ~ 5805MHz for 11a/ n(HT20)/ n(HT40)
ANTENNA GAIN	BT	PIFA Antenna with 2.31dBi gain
	WLAN 2.4G	PIFA Antenna with 2.31dBi gain
	WLAN 5G	5180 ~ 5240MHz: PIFA Antenna with 2.93dBi gain
		5260 ~ 5320MHz: PIFA Antenna with 2.96dBi gain
		5500 ~5700MHz: PIFA Antenna with 3.82dBi gain
		5745 ~ 5805MHz: PIFA Antenna with 4.45dBi gain
HW VERSION	A492C	
SW VERSION	argon	
CABLE SUPPLIED	N/A	
ACCESSORY DEVICES	Refer to note as below	



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NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

2 RF EXPOSURE

2.1 LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
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
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = Frequency in MHz

2.2 MPE CALCULATION FORMULA

$$Pd = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$$

where

Pd = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm



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2.3 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

**2.4 CALCULATION RESULT OF MAXIMUM CONDUCTED POWER****BT**

Mode	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	Tune-up Power (mW)	Power Density (mW/cm ²)	limit (mW/cm ²)	PASS / FAIL
Bluetooth	2402	GFSK	2.31	8.0	6.31	0.0021	1.00	PASS
BT_LE (1M)	2402	GFSK	2.31	8.0	6.31	0.0021	1.00	PASS

WIFI 2.4G

Mode	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	Tune-up Power (mW)	Power Density (mW/cm ²)	limit (mW/cm ²)	PASS / FAIL
WIFI 2.4G	2412	11b	2.31	17.0	50.12	0.017	1.00	PASS

WIFI 5G

Mode	Frequency (MHz)	Operating Mode	Antenna Gain (dBi)	Tune-up Power (dBm)	Tune-up Power (mW)	Power Density (mW/cm ²)	limit (mW/cm ²)	PASS / FAIL
BAND 1	5180	11a	2.93	15.0	31.62	0.0124	1.00	PASS
BAND 2	5260	11a	2.96	15.0	31.62	0.0124	1.00	PASS
BAND 3	5470	11a	3.82	15.0	31.62	0.0152	1.00	PASS
BAND 4	5745	11a	4.45	15.0	31.62	0.0175	1.00	PASS

--END--