

Product Name: Computer	Report No: FCC022023-0289RF14
Product Model: IPASONS6-X7004457152	Security Classification: Open
Version: V1.0	Total Page: 6

TIRT Testing Report



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FCC RF EXPOSURE REPORT

FCC ID: 2ATY8-IPASONS6

Equipment : Computer
Brand Name : **IPASON**
Test Model : IPASONS6-X7004457152
Series Model : IPASONS6***** (* can be 0-9,a-z,A-Z or "-")
Applicant : Wuhan Ipason Technology Co., Ltd
Address : 5 5th Floor, Multifunctional Building, No. 1, Ipason Avenue, Shekou Street, Huangpi District, Wuhan City, Hubei Province, China
Manufacturer : Wuhan Ipason Technology Co., Ltd
Address : 5th Floor, Multifunctional Building, No. 1, Ipason Avenue, Shekou Street, Huangpi District, Wuhan City, Hubei Province, China
Issued Date : Feb. 04, 2023
Report Version : V1.0
Test Sample : Engineering Sample No.: 20221103019324
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091
KDB 447498 D01 General RF Exposure Guidance v06

- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc. the test report shall not reproduced except in full.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
FCC022023-0289RF14	V1.0	Original Report	2023.03.01	Valid

1. TEST FACILITY

Company:	Beijing TIRT Technology Service Co.,Ltd Shenzhen
Address:	101, 3 # Factory Building, Gongjin Electronics Shatin Community, Kengzi Street, Pingshan District, Shenzhen, China
CNAS Registration Number:	CNAS L14158
A2LA Registration Number:	6049.01
FCC Accredited Lab. Designation Number:	CN1309
FCC Test Firm Registration Number:	825524
Telephone:	+86-0755-27087573

2. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

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

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

For BT:

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	4.69

Note:

- 1) The antenna gain is provided by the manufacturer.
- 2) The antenna is for testing purposes only.

For 2.4GHz:

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	4.69

For 5GHz:

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	4.73

3. TEST RESULTS

For BT:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.69	2.94	10.38	10.91	0.006394	1	Complies

For BLE:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.69	2.94	6.36	10.91	0.002534	1	Complies

For 2.4GHz:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.69	2.94	25.594	362.58	0.212393	1	Complies

For 5GHz:

Directional Gain (dBi)	Directional Gain (numeric)	Max. Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.73	2.97	12.42	17.46	0.0103215	1	Complies

Simultaneous transmitting:

Mode	BT	WiFi	Total MPE	Limit of Power Density (S) (mW/cm ²)	Test Result
BT + WiFi	0.006394	0.212393	0.218787	1	Complies
BLE + WiFi	0.002534	0.212393	0.214927	1	Complies
BT + U-NII	0.006394	0.0103215	0.0167155	1	Complies
BLE + U-NII	0.002534	0.0103215	0.0128555	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report