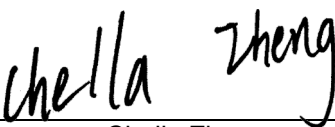


FCC RF EXPOSURE REPORT

FCC ID: 2BSTS-MC425

Project No. : 2510C001
Equipment : Projector
Brand Name : 
Test Model : MC425
Model Name : MC425, X3FR, MC425A, MC425PRO, X3F Pro, X3F Plus
Hardware Version : LCD H726 68356A
Software Version : Android 14
Applicant : Global Aiptek Inc.
Address : 2911 N Cicero Ave., Chicago, IL, 60641, US
Manufacturer : Global Aiptek Inc.
Address : 2911 N Cicero Ave., Chicago, IL, 60641, US
Factory1 : BO CHENG RUBBER PHILIPPINES INC.
Address : BLOCK 5 LOT 3 PHASE 3 LIMA TECHNOLOGY CENTER-SEZ SAN FERNANDO MALVAR BATANGAS, 4233 Philippines
Factory2 : Chengdu Hotack Technology Co., Ltd.
Address : 501-502, Unit 3, Building 13, No. 666 Jinfenghuang Avenue, High-tech Industry Park, Jinniu District, Chengdu City, Si Chuan Province, China.
Date of Receipt : Oct. 09, 2025
Date of Test : Oct. 10, 2025 ~ Nov. 12, 2025
Issued Date : Nov. 25, 2025
Test Sample : Engineering Sample No.: DG920251009111
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
 FCC Title 47 Part 2.1091 & KDB 447498 D01 v06

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc. (Dongguan)

Prepared by : 
 Chella Zheng

Approved by : 
 Chay Cai

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2510C001	R00	Original Report.	Nov. 25, 2025	Valid

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

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

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

2. ANTENNA SPECIFICATION

For BT/LE:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		WIFI/BT	FPC	N/A	4.76

Note: The antenna gain is provided by the manufacturer.

For 2.4GHz:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		WIFI/BT	FPC	N/A	3.19

Note: The antenna gain is provided by the manufacturer.

For 5GHz:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		WIFI/BT	FPC	N/A	3.75

Note: The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For BT:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.76	2.9923	8.12	6.4863	0.00386	1	Complies

For LE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.76	2.9923	-0.46	0.8995	0.00054	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna 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
3.19	2.0845	9.74	9.4189	0.00391	1	Complies

For 5GHz:

Antenna Gain (dBi)	Antenna 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
3.75	2.3714	15.68	36.9828	0.01746	1	Complies

For the max simultaneous transmission MPE:

Ratio			Total	Limit of Ratio	Test Result
BT	2.4GHz	5GHz			
0.00386	0.00391	0.01746	0.0252	1	Complies

Note:

(1) The calculated distance is 20 cm.

(2) Ratio=Power Density (S) (mW/cm²)/Limit of Power Density (S) (mW/cm²)

End of Test Report