

FCC RF EXPOSURE REPORT

FCC ID: 2ADUTLGPAU0H

Project No. : 2511C318
Equipment : Panda Wireless® PAU0H WiFi7 Bluetooth Wireless M2 Module
Brand Name : Panda Wireless
Test Model : PAU0H
Model Name : PAU0H, IGU0H
Hardware Version : V12
Software Version : MTK_WIFI7_WHQL_WLAN_V24.20.3.35_BT_V24.20.3.35_Rel_20241018
Applicant : Panda Wireless, Inc.
Address : 15559 Union Ave., Suite 300, Los Gatos , CA95032, USA
Manufacturer : Panda Wireless, Inc.
Address : 15559 Union Ave., Suite 300, Los Gatos , CA95032, USA
Factory : Panda Wireless, Inc.
Address : 15559 Union Ave., Suite 300, Los Gatos , CA95032, USA
Date of Receipt : Nov. 13, 2025
Date of Test : Nov. 13, 2025 ~ Apr. 14, 2026
Issued Date : Jun. 09, 2026
Test Sample : Engineering Sample No.: DG920260116355 for BT & LE, DG92025111351 for WiFi 2.4G & 5G & 6G.
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 : Terry Deng
Terry Deng

Approved by : Chay Cai
Chay Cai

No.3, Jinshagang 1st Road, Dalang, Dongguan, Guangdong People's Republic of China.

Tel: +86-769-8318-3000 Web: www.newbtl.com Service mail: btl_qa@newbtl.com

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 manufacturer's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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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.

REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-7-2511C318	R00	Original Report.	Jun. 09, 2026	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.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	Tengxiang Technology. Inc	AN2457-33LBC0 3RS-B	Dipole	SMA	3.85

Note: The antenna gain is provided by the manufacturer.

For WiFi 2.4G:

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	Tengxiang Technology. Inc	AN2457-33LBC0 3RS-B	Dipole	SMA	3.85
2	Tengxiang Technology. Inc	AN2457-33LBC0 3RS-B	Dipole	SMA	3.85

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=3.85.
- 2) The antenna gain is provided by the manufacturer.

For WiFi 5G:

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	Tengxiang Technology. Inc	AN2457-33LBC0 3RS-B	Dipole	SMA	4.5
2	Tengxiang Technology. Inc	AN2457-33LBC0 3RS-B	Dipole	SMA	4.5

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=4.5.
- 2) The antenna gain is provided by the manufacturer.

For WiFi 6G:

Ant.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	Tengxiang Technology. Inc	AN2457-33LBC0 3RS-B	Dipole	SMA	5.36
2	Tengxiang Technology. Inc	AN2457-33LBC0 3RS-B	Dipole	SMA	5.36

Note:

- 1) This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=5.36.
- 2) The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For BT:

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
3.85	2.4266	9.73	9.3972	0.0045	1	Complies

For LE:

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
3.85	2.4266	10.20	10.4713	0.0051	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
3.85	2.4266	23.91	246.0368	0.1188	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
4.50	2.8184	27.66	583.4451	0.3271	1	Complies

For 6GHz:

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
5.36	3.4356	9.76	9.4624	0.0065	1	Complies

For the max simultaneous transmission MPE:

Ratio		Total	Limit of Ratio	Test Result
LE	5GHz			
0.0051	0.3271	0.3322	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