

FCC RF EXPOSURE REPORT

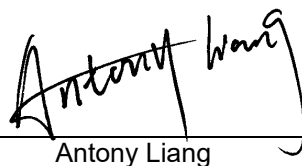
FCC ID: 2AYHD-AS0DC6

Project No. : 2506C076
Equipment : coreMeter
Brand Name : N/A
Test Model : CMM01
Model Name : CMM01
Hardware Version : RKE201027_V1.21
Software Version : FW20250314
Applicant : Hyphametrics, Inc.
Address : 149 E. 23rd St., #2052, New York, NY 10010
Manufacturer : Shenzhen Geniatech INC., Ltd.
Address : Room 02-04, 10/F, Block A, Building 8, Shenzhen International Innovation Valley, Dashi Road, Nanshan District, Shenzhen, Guangdong, China.
Factory : Shenzhen Geniatech INC., Ltd.
Address : 2F, Block A, Yinghaosheng Industrial park, Fu'an Road, Dayang Development Zone, Fuyong Town, Bao'an District, Shenzhen, China.
Date of Receipt : Jun. 10, 2025
Date of Test : Jun. 11, 2025 ~ Aug. 07, 2025
Issued Date : Oct. 23, 2025
Test Sample : Engineering Sample No.: DG2025061013
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)

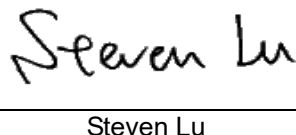
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REVISION HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-6-2506C076	R00	Original Report.	Aug. 13, 2025	Invalid
BTL-FCCP-6-2506C076	R01	This report updated the applicant information in page 1. It is a revision of the report BTL-FCCP-6-2506C076 R00. This is a newly released report, replacing the BTL-FCCP-6-2506C076 R00 report.	Oct. 23, 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(EDR+LE):

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		BGS-016C	Dipole	RP-SMA-J	3.16

Note: The antenna gain is provided by the manufacturer.

For WLAN 2.4G:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		BGS-016C	Dipole	RP-SMA-J	3.16
2		BGS-016C	Dipole	RP-SMA-J	3.16

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=3.16.
For power spectral density measurements, $N_{ANT}=2$, $N_{SS} = 1$.
So the Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})\text{dBi} = 3.16 + 10\log(2/1)\text{dBi} = 6.17$.
- 2) The antenna gain is provided by the manufacturer.

For WLAN 5G:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1		BGS-016C	Dipole	RP-SMA-J	3.68
2		BGS-016C	Dipole	RP-SMA-J	3.68

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=3.68.
For power spectral density measurements, $N_{ANT}=2$, $N_{SS} = 1$.
So the Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})\text{dBi} = 3.68 + 10\log(2/1)\text{dBi} = 6.69$.
- 2) The antenna gain is provided by the manufacturer.

3. CALCULATED RESULT

For BT EDR:

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
3.16	2.0701	11.85	15.3109	0.00631	1	Pass

For BT 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
3.16	2.0701	9.38	8.6696	0.00357	1	Pass

For WLAN 2.4G:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Average Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.16	2.0701	21.47	140.2814	0.05780	1	Pass

For WLAN 5G:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Average Output Power (dBm)	Max. Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.68	2.3335	20.9	123.0269	0.05714	1	Pass

For the max simultaneous transmission MPE:

Ratio		Total	Limit of Ratio	Test Result
BT EDR	WLAN 2.4G			
0.00631	0.05780	0.06411	1	Pass

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