

FCC RF EXPOSURE REPORT

FCC ID: 2AA6ZCR3

Project No. : 2312G007
Equipment : Router
Brand Name : CaptionCall
Test Model : CR3
Series Model : N/A
Applicant : CaptionCall.LLC
Address : 4215 Riverboat Road Salt Lake City, Utah 84123
Manufacturer : Suga Electronics(Dongguan)Co.,Ltd
Address : Suga High-tech Industrial Park,No 8, Fulong Road, Sanzhong, Qingxi Town, Dongguan, Guangdong
Factory : Hunan Fullriver Information Technology Co.,Ltd
Address : No. 666, Wangcheng Street, Wangcheng Economic and Technological Development Zone, Changsha City, Hunan Province, P.R. China
Date of Receipt : Dec. 04, 2023
Date of Test : Dec. 05, 2023 ~ Jan. 16, 2024
Issued Date : Feb. 22, 2024
Report Version : R00
Test Sample : Engineering Sample No.: SSL20231204301-1
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC Part 2.1091
FCC Title 47 Part 2.1091

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

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-4-2312G007	R00	Original Report.	Feb. 22, 2024	Valid

1. TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong 523792.

BTL's Registration Number for FCC: 162128

BTL's Designation Number for FCC: CN5042

2. 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

Table for Filed Antenna:

For 2.4GHz:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	SLEing®	SLEingA200330070-C05	Dipole	N/A	5.13
2	SLEing®	SLEingA200330280	Dipole	N/A	5.13

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=5.13.
- 2) The antenna gain is provided by the manufacturer.

For 5GHz:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	SLEing®	SLEingA200330160-C03	Dipole	N/A	5.92
2	SLEing®	SLEingA200330070-C06	Dipole	N/A	5.92

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=5.92.
- 2) The antenna gain is provided by the manufacturer.

3. TEST RESULTS

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
5.13	3.2584	24.79	301.3006	0.19541	1	Complies

For 5GHz UNII-1:

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
5.92	3.9084	21.51	141.5794	0.11014	1	Complies

For 5GHz UNII-2A:

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
5.92	3.9084	18.88	77.2681	0.06011	1	Complies

For 5GHz UNII-2C:

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
5.92	3.9084	20.54	113.2400	0.08809	1	Complies

For 5GHz UNII-3:

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
5.92	3.9084	23.24	210.8628	0.16404	1	Complies

For the max simultaneous transmission MPE:

Ratio		Total	Limit of Ratio	Test Result
2.4GHz	5GHz			
0.19541	0.16404	0.3595	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report