FCC RF EXPOSURE REPORT

FCC ID: 2AR82-SKOW603601

Project No.	:	2208C116
Equipment	:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module
Brand Name	:	N/A
Test Model	:	SKO.W603.6
Series Model	:	N/A
Applicant	:	Guangzhou Shikun Electronics Co., Ltd
Address	:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Manufacturer	:	Guangzhou Shikun Electronics Co., Ltd
Address	:	NO.6 Liankun Road, Huangpu District, Guangzhou, China
Date of Receipt	:	Aug. 15, 2022
Date of Test	:	Aug. 16, 2022 ~ Aug. 29, 2022
Issued Date	:	Sep. 09, 2022
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG202208169
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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TESTING CERT #5123.02

BTL Inc.

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2208C116	R00	Original Report	Sep. 09, 2022	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 People's Republic of China.
BTL's Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240

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

Table for Filed Antenna:

Ant.	P/N	Type	Antenna Mfr.	Connector	Antenna Gain(dBi)
1	D40F-J09	PIFA	ZHONGTIAN XUN	N/A	4.93
2	D40F-J09	PIFA	ZHONGTIAN XUN	N/A	4.93

1. Both Ant.1 and Ant.2 had been pre-tested and found the Ant.1 the worst case and recorded.
2. This EUT supports CDD, and all antennas have the same gain, Directional gain = G_{ANT}+Array Gain.
3. For power measurements, Array Gain=0dB ($N_{ANT} \leqslant 4$), so the Directional gain=4.93 dBi.
4. The antenna gain is provided by the manufacturer.

3. TEST RESULTS

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
4.93	3.1117	16.27	42.3643	0.02624	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report