FCC RF EXPOSURE REPORT

FCC ID: 2ACSVHF-LPS170

Project No.	:	2103H034
Equipment	:	Low Power SDIO Wi-Fi + BLE Module
Brand Name	:	High-Flying
Test Model	:	HF-LPS170
Series Model	:	N/A
Applicant	:	High-Flying Electronics Technology Co., Ltd.
Address	:	Room 1002, Building 1, No.3000, Longdong Avenue, Pudong New Area, Shanghai ,China
Manufacturer	:	High-Flying Electronics Technology Co., Ltd.
Address	:	Room 1002, Building 1, No.3000, Longdong Avenue, Pudong New Area, Shanghai ,China
Factory	:	China Dragon Technology Limited
Address	:	B4 Building, Haosan NO.1 Industrial Zone, Nanpu Road,Xinqiao Street, Baoan District, Shenzhen
Date of Receipt	:	Apr. 22, 2021
Date of Test	:	Apr. 22, 2021~Jun.04, 2021
Issued Date	:	Jun. 16, 2021
Report Version	:	R00
Test Sample	:	Engineering Sample No.: SH2021040798-2
Standard(s)	:	FCC Part 2.1091 FCC Title 47 Part 2.1091 KDB 447498 D01 General RF exposure guidance v06

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

Maker Qi

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jun. 16, 2021

1. 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

For BLE

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	3

Note: The antenna gain provided by the manufacturer

For 2.4G

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	3

Note: The antenna gain provided by the manufacturer.

2. TEST RESULTS

For BLE

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. tune up Power (dBm)	Max. tune up Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
3.00	1.99530	9	7.9433	0.003153	1	Complies

For 2.4GHz:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. tune up Power (dBm)	Max. tune up Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
3.00	1.99530	26	398.1072	0.1580290	1	Complies

Note: The calculated distance is 20 cm.
Output power including tune up tolerance.

End of Test Report