

FCC RF EXPOSURE REPORT

FCC ID: 2ACSVHF-LPT230-0

Project No. : 2012H045
Equipment : WIFI Module
Brand Name : HF
Test Model : HF-LPT230-0
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
Date of Receipt : Jan. 4, 2021
Date of Test : Jan. 4, 2021~Jan. 18, 2021
Issued Date : Jan. 26, 2021
Report Version : R00
Test Sample : Engineering Sample No.: SH2020122872, SH2020122873, SH2020122874
Standard(s) : FCC Guidelines for Human Exposure IEEE C95.1 & FCC 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 Version	Description	Issued Date
R00	Original Issue.	Jan. 26, 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 2.4G:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	FPCB	N/A	1.67

Note:

The antenna gain is provided by the manufacturer.

2. 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
1.67	1.4689	24	251.1886	0.0734	1	Complies

Note: The calculated distance is 20 cm.

Output power including tune up tolerance.

End of Test Report