FCC RF EXPOSURE REPORT

FCC ID: 2ALYRHG-B02

Project No.	:	1904C096
Equipment	:	FYLO
Brand Name	:	HIGH GREAT,
Test Model	:	HG-B02A
Series Model	:	N/A
Applicant	:	Shenzhen HighGreat Innovation Technology Development Co., Ltd.
Address	:	2/F, Building 6, Yuanlingzi Industrial Zone, Hengping Road, Yuanshan Street, Longgang District, Shenzhen
Manufacturer	:	Shenzhen HighGreat Innovation Technology Development Co., Ltd.
Address	:	2/F, Building 6, Yuanlingzi Industrial Zone, Hengping Road, Yuanshan Street, Longgang District, Shenzhen
Date of Receipt	:	Jul, 17. 2019
Date of Test	:	Jul, 17. 2019~ Sep, 11. 2019
Issued Date	:	Sep, 11. 2019
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG19071858
Standard(s)	:	FCC Guidelines for Human Exposure IEEE C95.1 FCC Title 47 Part 2.1091, OET Bulletin 65 Supplement C

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	Sep, 11. 2019

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

Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1		Wireless Antenna	PCB	N/A	1.87
2		Wireless Antenna	PCB	N/A	1.87

Note: Antenna Gain=1.87 dBi. This EUT supports MIMO 2X2, any transmit signals are correlated with each other, so Directional gain = G_{ANT}+10log(N)dBi, that is Directional gain=1.87+ 10log(2)dBi=4.88.

Table for Antenna Configuration:

Operating Mode / TX Mode	2TX
IEEE 802.11a	V (Ant. 1 + Ant. 2)

2. TEST RESULTS

Directional Gain (dBi)	Directional Gain (numeric)	Max. Average Output Power (dBm)	Max. Average Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
4.88	3.0761	17.95	62.3735	0.03819	1	Complies

Note: The calculated distance is 20 cm.

End of Test Report