

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:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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

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 = $G_{ANT} + 10\log(N)$ dBi, that is Directional gain = $1.87 + 10\log(2)$ dBi = 4.88.

Table for Antenna Configuration:

Operating Mode	TX Mode
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