

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Qingdao Intelligent&Precise Electronics Co., Ltd
No.218, Qianwangang Road, Qingdao
Economic&Technological Development Zone, Shandong,
China.

Manufacturer site : Qingdao Intelligent&Precise Electronics Co., Ltd
No.218, Qianwangang Road, Qingdao
Economic&Technological Development Zone, Shandong,
China.

Product Name : WiFi module

Type/Model : ZDGFMT7618BU

TEST RESULT : PASS

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

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Prepared by:



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Approved by:



Daniel Zhao (Reviewer)

Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm²

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

As we can see from the test report 171001519SHA-001:

The calculations in the table below use the highest gain of antenna for client EUT. These calculations represent worst case in terms of the exposure levels.

The 2.4G and 5G Band cannot support simultaneous transmission.

Frequency band	Power	Antenna Gain	R	S	Limits
(MHz)	dBm	dBi	(cm)	(mW/cm ²)	(mW/cm ²)
2400 -2483.5	16.28	2.17	20	0.0139	1
5150-5250	17.07	3.08	20	0.0206	1
5250-5350	16.48	3.08	20	0.0180	1
5470-5725	17.15	3.08	20	0.0210	1
5725-5850	19.08	3.08	20	0.0327	1

Note: 1 mW/cm² from 1.310 Table 1

Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.