

RF EXPOSURE REPORT

FCC ID: 2AC23-WT5L
IC: 12290A-WT5L

Applicant's name : Hui Zhou Gaoshengda Technology Co., LTD
Address : NO.75 Zhongkai Development Area, Huizhou,
Guangdong,China
Manufacturer : Hui Zhou Gaoshengda Technology Co., LTD

Equipment : WIFI +BT Module
Trade Mark : GSD
Model : WT5LM2001
Ratings : I/P: DC 3.3V

Testing Laboratory : DongGuan ShuoXin Electronic Technology Co., Ltd.
Address : Zone A, 1F, No. 6, XinGang Road YuanGang Street,
XinAn District, ChangAn Town, DongGuan City,
GuangDong, China
According : FCC Guidelines for Human Exposure IEEE C95.1 &
FCC Part 2.1091

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

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

TEST RESULTS

EUT :	WIFI +BT Module	Model Name :	WT5LM2001
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	DC 3.3V		

For FCC

2.4G WIFI

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	25.22	332.6596	0.10494	1	Complies

5G Band UNII-1

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	16.78	47.6431	0.01892	1	Complies

5G Band UNII-3

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	18.94	78.3430	0.03111	1	Complies

BT

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	6.497	4.4638	0.00141	1	Complies

LE

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2	1.5849	4.220	2.6424	0.00083	1	Complies

For 2.4G+5G simultaneous transmission MPE:

$$0.10494/1+0.03111/1=0.13605$$

Note: the calculated distance is 20 cm.