

# RF EXPOSURE REPORT

**FCC ID: 2AC23-WCT2W**  
**IC: 12290A-WCT2W**

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 ..... : DCT2WM2611  
Ratings ..... : I/P: DC 5V

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:

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

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

Table for Filed Antenna

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

## TEST RESULTS

EUT :	WIFI+BT Module	Model Name :	DCT2WM2611
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	DC 5V		

### 2.4G WIFI

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3	1.9953	23.26	211.8361	0.08413	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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3	1.9953	16.91	49.0908	0.01950	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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3	1.9953	16.87	48.6407	0.01932	1	Complies

### BT

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3	1.9953	9.877	9.7208	0.00386	1	Complies

### LE

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3	1.9953	7.648	5.8184	0.00231	1	Complies

### For 2.4G+5G simultaneous transmission MPE:

$$0.00386+0.00231+0.01950+0.08413=0.1098$$

Note: the calculated distance is 20 cm.