RF EXPOSURE REPORT

FCC ID: 2AC23-WCT0Y
IC : 12290A-WCT0Y

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	:	WCT0YR2201
Ratings	:	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:

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

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	IPEX	1.6	
2	N/A	N/A	PIFA	IPEX	1.6	

TEST RESULTS

EUT：	WIFI+BT Module	Model Name：	WCT0YR2201
Temperature：	25 ℃	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^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
-0.75	0.8484	23.76	237.684	0.03981	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
1.6	1.4454	16.44	44.0555	0.01268	1	Complies

5G Band UNII-2A

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
1.6	1.4454	16.14	41.1150	0.01183	1	Complies

5G Band UNII-2C

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
1.6	1.4454	16.09	40.6443	0.01169	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
1.6	1.4454	16.38	43.4510	0.01250	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
-0.75	0.8484	7.216	5.2674	0.00088	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
-0.75	0.8484	6.269	4.2355	0.00071	1	Complies

For 2.4G+5G simultaneous transmission MPE:

0.03981/1+0.01268/1=0.05249

Note: the calculated distance is 20 cm.