FCC RF EXPOSURE REPORT

FCC ID: 2AGG6FJZB101

Project No. : 1511C167
Equipment : zigbee module
Model : FJZB101
Applicant : Wuhan Fenjin intelligent machine Co.,LTD
Address : No.25,Gaoxin 4th,East Lake Hi-Tech
Development Zone,Fenjin Industrial, Wuhan
China 430000

According: : FCC Guidelines for Human Exposure IEEE
C95.1

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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)
1	JOHANSON Tecnology	2450AT18B100	Chip	N/A	0.5

TEST RESULTS

EUT :	zigbee module	Model Name :	FJZB101
Temperature :	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	CH01, CH08, CH16		

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
0.5	1.1220	10.24	10.5682	0.00236021	1	Complies
0.5	1.1220	11.58	14.3880	0.00321329	1	Complies
0.5	1.1220	12.83	19.1867	0.00428500	1	Complies

Note: the calculated distance is 20 cm.