



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: Y5SIT-G100RD

Project No. : 1012C120
Equipment : wireless router wizard
Model : IT-G100RD; IT-G101R; IT-G102R; IT-G103R;
IT-G300R; IT-G301R
Applicant : WISE TRADE TRADING LIMITED
Address : 26A, Tianmian City Tower, Middle shennan Road,
Shenzhen China

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

Neutron Engineering Inc.

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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

Ant.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)
1	HuaDeChang	H1002	Dipole	R-SMA	2.0

TEST RESULTS

EUT:	wireless router wizard	Model Name :	IT-G100RD
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Power :	AC 120V/60Hz
Test Mode :	TX B MODE /CH01(2412MHz), CH06(2437MHz), CH11(2462MHz)		

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	15.3900	34.5939	0.01091316	1	Complies
2	1.5849	15.4500	35.0752	0.01106497	1	Complies
2	1.5849	15.4100	34.7536	0.01096353	1	Complies



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EUT:	wireless router wizard	Model Name :	IT-G100RD
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX G MODE /CH01(2412MHz), CH06(2437MHz), CH11(2462MHz)		

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	21.0600	127.6439	0.04026710	1	Complies
2	1.5849	21.4700	140.2814	0.04425378	1	Complies
2	1.5849	21.3500	136.4583	0.04304774	1	Complies