

FCC RF EXPOSURE REPORT

FCC ID: 2AFG6-RK3288

Project No. : 1509C262
Equipment : Android Main Board
Model : B.RK3288.1
Applicant : Guangzhou Shirui Electronics Co.,Ltd
Address : 192Kezhu Road, Scienteck Park, Guangzhou
Economic & Technology Development
District, Guangzhou, Guangdong, China
According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

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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	N/A	N/A	Dipole	N/A	2.55

TEST RESULTS

EUT :	Android Main Board	Model Name :	B.RK3288.1
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _1Mbps		

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
2.55	1.7989	-0.50	0.8913	0.00031912	1	Complies
2.55	1.7989	1.34	1.3614	0.00048747	1	Complies
2.55	1.7989	1.22	1.3243	0.00047419	1	Complies

EUT :	Android Main Board	Model Name :	B.RK3288.1
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX Mode _3Mbps		

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
2.55	1.7989	-2.42	0.5728	0.00020509	1	Complies
2.55	1.7989	-0.91	0.8110	0.00029037	1	Complies
2.55	1.7989	-1.04	0.7870	0.00028181	1	Complies

Note: the calculated distance is 20 cm.