

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, Sciencetech 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:

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

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)
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 B Mode_CH01/06/11		

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	13.35	21.6272	0.00774373	1	Complies
2.55	1.7989	14.14	25.9418	0.00928860	1	Complies
2.55	1.7989	14.3	26.9153	0.00963719	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 G Mode_CH01/06/11		

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	20.88	122.4616	0.04384806	1	Complies
2.55	1.7989	21.68	147.2313	0.05271696	1	Complies
2.55	1.7989	21.83	152.4053	0.05456955	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 N20 Mode_CH01/06/11		

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	18.52	71.1214	0.02546539	1	Complies
2.55	1.7989	19.89	97.4990	0.03491004	1	Complies
2.55	1.7989	20.02	100.4616	0.03597082	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 N40 Mode_CH03/06/09		

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	19.27	84.5279	0.03026568	1	Complies
2.55	1.7989	19.87	97.0510	0.03474964	1	Complies
2.55	1.7989	19.67	92.6830	0.03318565	1	Complies

Note: the calculated distance is 20 cm.