

FCC RF EXPOSURE REPORT

FCC ID: 2AOVE-MD005

Project No. : 1711C011B
Equipment : MOORE STREAM
Model : MD005
Applicant : Mooredoll Inc.
Address : 2F., No.29, Sec. 3, Nanjing E. Rd., Zhongshan
Dist., Taipei City 104, Taiwan

According: : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091

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)	Note
1	INPAQ	N/A	Chip	N/A	2.1	2.4G WiFi
2	INPAQ	N/A	Chip	N/A	1.72	LE

TEST RESULTS

EUT :	MOORE STREAM	Model Name :	MD005
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		

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
2.1	1.6218	22.26	168.2674	0.05432	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
1.72	1.4859	-2.08	0.6194	0.00018	1	Complies

For 2.4G LE+ 2.4 G WiFi simultaneous transmissions MPE:

$$0.05432/1+0.00018/1=0.0545$$

Note: the calculated distance is 20 cm.