

RF EXPOSURE REPORT

FCC ID: 2AZTU-SWM3US

Applicant's name : SHENZHEN JIAKEYUAN INDUSTRY CO.,LTD
B2301, Fenghuanggang 3rd Industrial Zone,
Address : Fenghuanggang Community, Xixiang Street, Bao'an
District, Shenzhen City, Guangdong Province, China.
Manufacturer : SHENZHEN JIAKEYUAN INDUSTRY CO.,LTD

Equipment : Smart Wall Switch
Trade Mark : /
Model : SW-M1US;SW-M2US;SW-M3US
Ratings : I/P: AC100-240V 50/60HZ 10A Max

Testing Laboratory : DongGuan ShuoXin Electronic Technology Co., Ltd.
Address : Zone A, 1F, No. 6, XinGang Road YuanGang Street,
XinAn District, ChangAn Town, DongGuan City,
GuangDong, China
According : FCC Guidelines for Human Exposure IEEE C95.1 &
FCC Part 2.1091

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)	Note
1	N/A	N/A	PCB	N/A	2	

TEST RESULTS

EUT :	Smart Wall Switch	Model Name :	SW-M3US
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V		

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	1.5849	21.81	151.705	0.04786	1	Complies

Note: the calculated distance is 20 cm.