



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: PUWJSHT-SB-2K13

Project No. : 1208C212
Equipment : RF4CE Sensor Module
Model : YKJ2081-R01; YKJ2081 Series
Applicant : Jiangsu Huitong Group Co., Ltd.
Address : No.24,Block 2,Taohuawu New District, Zhenjiang,
Jiangsu, P.R.C

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	partron	SDBTPTR3 015	Chip Antenna	N/A	1.99

TEST RESULTS

EUT:	RF4CE Sensor Module	Model Name :	YKJ2081-R01
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX MODE /CH01, CH02, CH03		

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
1.99	1.5812	1.76	1.4997	0.000472	1	Complies
1.99	1.5812	3.16	2.0701	0.000652	1	Complies
1.99	1.5812	5.07	3.2137	0.001011	1	Complies