

FCC RF EXPOSURE REPORT

FCC ID: 2AC9W-CMC181

Project No. : 1406C001
Equipment : UHF Reader
Model : CMC181
Applicant : FUTAIHUA INDUSTRIAL (SHENZHEN)
CO.,LTD.
Address : B District, Foxconn Technology Park, Guanlan
Town, Baoan, Shenzhen, 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)	Note
1	N/A	N/A	TNC	N/A	5	
2	N/A	N/A	TNC	N/A	5	
3	N/A	N/A	TNC	N/A	5	
4	N/A	N/A	TNC	N/A	5	

TEST RESULTS

EUT :	UHF Reader	Model Name :	CMC181
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B		

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
5	3.1623	28.57	719.4490	0.45284583	1	Complies
5	3.1623	28.42	695.0243	0.43747211	1	Complies
5	3.1623	28.41	693.4258	0.43646595	1	Complies

Note: the calculated distance is 20 cm.