

FCC RF EXPOSURE REPORT

FCC ID:X5B-878004RWS

According to KDB 447498 D01 General RF Exposure Guidance v06

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	RFPCA381010IMAB301	PCB	IPEX	2.81	

WIFI 2.4G:802.11g Mode:2452MHz

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
2.81	1.9098	15.73	37.41	0.0142	1	Complies

Note: the calculated distance is 20 cm.