



## RF Exposure Evaluation

<b>FCC ID</b>	2APZX-GIA-K007
<b>Model No.</b>	GiA-K007-12, GiA-K007-11, GiA-K007-10, GiA-K007-8, GiA-K007-6, GiA-K007-5
<b>RF Specification</b>	1. 802.11 b/g/n-20 2. V4.1 LE

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

### Calculation Formula:

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

Where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$r$  = distance between observation point and center of the radiator in cm



**Calculation Result:**

Mode	Frequency Band (MHz)	Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WIFI	2412~2462	23.56	227.0	2	20	0.0716	1
BT	2402~2480	9.632	9.2	2	20	0.0029	1