Maximum Permissible Exposure

FCC ID	TFJPIXIE-W
Product	BT/WiFi Module
Model No.	PIXIE
RF Specification	**2.4GHz:** For 802.11b/g/n-HT20: 2412 ~ 2462 MHz For 802.11n-HT40: 2422 ~ 2452 MHz **BT:** 2402~2480MHz

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:

$$Pd = (Pout*G)/(4*pi*r^2)$$

Where
Pd = power density in mW/cm^2
Pout = 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^2)	Limit (mW/cm^2)
BT	2402~2480	8.63	7.29	2	20	0.0023	1
WIFI	2412~2462	22.29	169.4	2	20	0.0534	1