



RF Exposure Evaluation

FCC ID	TFJTAPTAPII
Model No.	TAPTAPII
RF Specification	WLAN : 802.11n-20/n-40 BT: V4.0 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:

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

Where

Pd = power density in mW/cm²

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)
WIFI	2412~2462	22.23	167.1	3.79	20	0.0796	1
BT	2402~2480	5.023	3.2	2.34	20	0.0011	1

Simultaneous Transmitting:

$0.0796 + 0.0011 = 0.0807 \text{ mW/cm}^2 \leq 1 \text{ mW/cm}^2.$