



RF Exposure Evaluation

FCC ID	2AP48CT1200
Model No.	CT1200
RF Specification	802.11 b/g/n-20/n-40

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/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 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)
(TX) Internal Antenna	2412~2462	21.75	334.2	2.68	20	0.1232	1
(RX) External Antenna	2412~2462	21.75	334.2	2.64	20	0.1221	1