



RF Exposure Evaluation

FCC ID	WNQKW50-O8500
Model No.	KW50-O8500, KW50-O7500, KW50-O8300, KW50-O9500
Wireless Specification	5.8G
Frequency Range	5730MHz-5840MHz

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)
5.8GHz	5730-5840	24.58	0.2871	7	20	0.2862	1