



## RF Exposure Evaluation

<b>FCC ID</b>	WNQKW50-O8500
<b>Model No.</b>	KW50-O8500, KW50-O7500, KW50-O8300, KW50-O9500
<b>Wireless Specification</b>	5.8G
<b>Frequency Range</b>	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:

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

Where

Pd = power density in mW/cm<sup>2</sup>

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 <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
5.8GHz	5730-5840	24.58	0.2871	7	20	0.2862	1