

FCC RF Exposure

EUT Description: Wireless Mini USB Dongle
Company: L&K Precision Technology Co., Ltd.
FCC ID: PCG-LP-8627S

Frequency: 2412-2462, 2422-2452 MHz
Modulation: DSSS, OFDM
Mid-Channel: 2.437 GHz
Mid-Channel Peak Power, Conducted: 9.85 dBm == 9.66 mW
Antenna Gain: G = 2 dBi

Calculation:

$$\text{Limit} = 60/2.437 = \underline{24.62 \text{ mW}}$$

$$P_{\text{radiated, max}} = P_{\text{conducted, dBm}} + G_{\text{dBi}} = 9.85 \text{ dBm} + 2 \text{ dBi} == 11.85 \text{ dBm} = \underline{15.31 \text{ mW}}$$

Conclusion:

The emitted power appears to be below the required limit, so PASS.

Note 1: f shall be the mid-band frequency expressed in GHz; the limit calculated with this mid-band frequency applies to all channels. For PTT with body-worn or face-held modes, d is the distance from the device case to a person's body; for modules with antennas inside laptops, d is the distance from the antenna to the person's body.

Note 2: Average Power levels are always equal or below the measured Peak Power levels, which means that calculating the EIRP using the Peak power can be considered as worst case.)