

# RF Exposure Evaluation

## FCC ID: OI2K711C

### 1. Client Information

**Applicant** : ILIFE TECHNOLOGY(HK) LIMITED  
**Address** : 3rd Floor, Bld. 3, Lijincheng Industrial Park, The East of Gongye Road, Longhua, Shenzhen, China  
**Manufacturer** : ILIFE TECHNOLOGY(HK) LIMITED  
**Address** : 3rd Floor, Bld. 3, Lijincheng Industrial Park, The East of Gongye Road, Longhua, Shenzhen, China

### 2. General Description of EUT

<b>EUT Name</b>	:	MID
<b>Models No.</b>	:	K711C
<b>Model Difference</b>	:	N/A
<b>Product Description</b>	Operation Frequency:	802.11b/g/n(HT20): 2412MHz~2462MHz 802.11b/g/n(HT40): 2422MHz~2452MHz
	Number of Channel:	802.11b/g/n(HT20):11 channels 802.11b/g/n(HT40): 7 channels
	Max Peak Output Power:	802.11b: 9.29 dBm 802.11g: 9.39 dBm 802.11n (HT20): 9.27 dBm 802.11n (HT40): 9.15 dBm
	Antenna Gain:	0 dBi Integral Antenna
	Modulation Type:	802.11b: DSSS (CCK, QPSK, BPSK) 802.11g: OFDM 802.11n: OFDM
<b>Power Supply</b>	:	USB Charging from PC DC power supplied by AC/DC Adapter DC Voltage supplied from Li-Polymer battery.
<b>Power Rating</b>	:	USB DC 5V form PC. AC/DC Adapter(BLT-XC0520B): Input: AC 100~240V 50/60Hz Output: DC 5V 1.5A DC 3.7V 2250mAh from Li-ion battery
<b>Connecting I/O Port(S)</b>	:	Please refer to the User's Manual

#### Note:

More test information about the EUT please refer the RF Test Report.

[TB-RF-074-1.0](#)

## MPE Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v05r02.

- (1) Clause 4.3: General SAR test reduction and exclusion guidance

- Sub clause 4.31: Standalone SAR test exclusion considerations

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance  $\leq 50$  mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 3.0 \text{ for 1-g SAR}$$
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation, mm})] * [\sqrt{f_{(\text{GHz})}}] \leq 7.5.0 \text{ for 10-g SAR}$$

**Calculation:**

The maximum power is 9.39 dBm(8.689 mW) @2.412GHz

Separation Distance: 5mm

For 1-g SAR Result:  $(8.689 \text{ mW} / 5\text{mm}) * [\sqrt{2.412(\text{GHz})}] = 2.699 < 3.0$  for 1-g SAR

So standalone SAR measurements are not required.