



CTK Co., Ltd.  
The Prime Leader of Global Regulatory Compliance

## CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea  
Tel: +82-31-339-9970 Fax: +82-31-624-9501  
www.e-ctk.com

# RF EXPOSURE EVALUATION

<b>Applicant</b>	: Hansol Technics Co., Ltd.
<b>Applicant Address</b>	: 55, Hansam-ro, Deoksan-myeon, Jincheon-gun, Chungcheongbuk-do, Korea
<b>Kind of Product</b>	: Bluetooth Lighting
<b>FCC ID</b>	: 2AAJPB100L
<b>RF power</b>	: -3.04 dBm Peak Conducted
<b>Antenna type</b>	: Chip antenna
<b>Antenna Gain</b>	: 3.14 dBi
<b>Frequency Range</b>	: 2402 MHz - 2480 MHz
<b>Number of channels</b>	: 40 CH



CTK Co., Ltd.  
The Prime Leader of Global Regulatory Compliance

## CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea  
Tel: +82-31-339-9970 Fax: +82-31-624-9501  
www.e-ctk.com

### \*\* MPE Calculations \*\*

No Evaluation Required if power is below this threshold. (60/f(GHz) mW)

Frequency (GHz)		mW
Lowest	2.402	24.98
Highest	2.480	24.19

The MPE calculation for this exposure is shown below.

EIRP = P + G	Where, P = Conducted output power (dBm) G = Power gain of the antenna (dBi)
--------------	---

Measured Transmitter Output Power(Maximum : GFSK, CH 0)

Output Power(dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP (mW)
-3.04	3.4	0.36	1.086

Conclusion: No SAR evaluation required since Transmitter EIRP is below FCC threshold.