



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

## CTK Co., Ltd.

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www.e-ctk.com

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# RF EXPOSURE EVALUATION

**Applicant** : Gill Electronics

**Applicant Address** : 725 Bond Ave. NW Grand Rapids, MI 49503

**Kind of Product** : Sidewinder

**FCC ID** : 2AEFM-WPT170AT

**RF power** : 1.042 dBm Peak Conducted

**Antenna type** : PCB antenna

**Antenna Gain** : 3.0 dBi

**Frequency Range** : 2402 MHz - 2480 MHz

**Number of channels** : 40 CH



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

Output Power(dBm)	Antenna gain (dBi)	EIRP (dBm)	EIRP (mW)
1.042	3.0	4.042	2.536

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