



# SAR exemption evaluation

**Applicant** iRiding (Xiamen) Technology Co.,Ltd.

**FCC ID** 2ANOPQICYCLER1

**Product** Bluetooth Converter

**Brand** QiCYCLE

**Model** QiCYCLE R1

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## Conducted Power

Network Standards	Carrier frequency (MHz)	Average Output Power (dBm)	Conclusion
Bluetooth (Low Energy)	2402	-0.28	PASS
	2440	0.57	PASS
	2480	-0.39	PASS

Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq$  50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Per KDB 447498 D01, when the minimum test separation distance is  $<$  5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Bluetooth	Distance (mm)	MAX Power (dBm)	Frequency (MHz)	Ratio	Evaluation
Body-worn	10	0.57	2480	0.18	No