



SAR exemption evaluation

Applicant Cypress Semiconductor

FCC ID WAP6045

Product EZ-BLE PSoC Module

Model CYBLE-416045-02

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Conducted Power

Network Standards	Carrier frequency (MHz)	Average Output Power (dBm)	Conclusion
Bluetooth (Low Energy)	2402	3.77	PASS
	2440	3.47	PASS
	2480	3.13	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 ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 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
Head	5	4	2480	0.79	No
Body	5	4	2480	0.79	No