



SAR exemption evaluation

Applicant Cypress Semiconductor
IC 7922A-6045
Product EZ-BLE PSoC Module
Model CYBLE-416045-02
Report No. R1805A0208-S2V1
Issue Date May 30, 2018

Jiang peng Lan

Approved by: Jiangpeng Lan

Kai Xu

Reviewed by: Kai Xu

TA Technology (Shanghai) Co., Ltd.

No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000

**Conducted Power**

Network Standards	Carrier frequency (MHz)	Average Output Power (dBm)	Limit (dBm)	Conclusion
Bluetooth (Low Energy)	2402	3.77	30	PASS
	2440	3.47	30	PASS
	2480	3.13	30	PASS

Per RSS -102 issue 5, the SAR exclusion threshold is defined by the following:

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of ≤ 5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
≤ 300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW
5800	1 mW	6 mW	15 mW	27 mW	41 mW

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of 30 mm	At separation distance of 35 mm	At separation distance of 40 mm	At separation distance of 45 mm	At separation distance of ≥ 50 mm
≤ 300	223 mW	254 mW	284 mW	315 mW	345 mW
450	141 mW	159 mW	177 mW	195 mW	213 mW
835	80 mW	92 mW	105 mW	117 mW	130 mW
1900	99 mW	153 mW	225 mW	316 mW	431 mW
2450	83 mW	123 mW	173 mW	235 mW	309 mW
3500	86 mW	124 mW	170 mW	225 mW	290 mW
5800	56 mW	71 mW	85 mW	97 mW	106 mW

Band	Configuration	Frequency (MHz)	Separation Distance (mm)	Maximum Power (dBm)	Maximum Power (mW)	Limit (mW)	Standalone SAR
Bluetooth (Low Energy)	Head	2480	5	4.00	2.51	4	No
	Body	2480	5	4.00	2.51	4	No