

**SAR EXCLUSION CALCULATION**  
**FCC ID: I28-ZBRZQ3BT / IC ID: 3798B- ZBRZQ3BT**

**RF Exposure Requirements:** 47 CFR §1.1307(b)  
**RF Radiation Exposure Limits:** 47 CFR §1.1310  
**RF Radiation Exposure Guidelines:** FCC OST/OET Bulletin Number 65  
**EUT Frequency Band:** 2402-2480 MHz

**Equation:**

According to the procedure in KDB447498 (v05r02) section 4.3, SAR testing is excluded if the following criteria is met.

$(P/d) \cdot \sqrt{f} \leq 3.0$  for 1-g SAR

Where

P is the time averaged maximum conducted power in mW

d minimum separation distance in mm

f is the frequency in GHz

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**The distance between the antenna and human body is 5mm. the calculation was based on the distance of 5mm.**

Type	CH Freq (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	Tune-up Tolerance	Max Tune-up power (dBm)	Measurement Distance (mm)
BLE	2402	4.72	1.69	±1	5.72	5
BT-EDR	2402	7.40	1.69	±1	8.40	5

For BLE:  $(P/d) \cdot \sqrt{f} = 1.16 < 3$  for 1g SAR

For BT-BDR/EDR:  $(P/d) \cdot \sqrt{f} = 2.14 < 3$  for 1g SAR

Therefore, EUT is not require SAR Evaluation.



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