

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Wearing Bluetooth Headset
Model Name	JBuds Band
FCC ID	2AHYVBAND

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

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.

Where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

According to the follow transmitter output power (P_t) formula :

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$P_t = 4.179 B_m = 2.62 \text{ mW}$

The result for RF exposure evaluation

$\text{SAR} = (2.62 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.83 < 3.0$ for 1-g SAR

4. CONCLUSION

The SAR evaluation is not required.