

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	KLIM Boombox
Model Name	KLIM Boombox B4
Series Model	KLIM Boombox, KLIM Boombox B3, KLIM Boombox B5, KLIM Candy, KLIM Tunes, KLIM Boombox B6, KLIM Boombox B7, KLIM Boombox B8, KLIM Boombox B9, KLIM Boombox B10, KLIM Boombox B11, KLIM Boombox B12, KLIM Boombox B13, KLIM Boombox B14, KLIM Boombox B15, KLIM Boombox B16, KLIM Boombox B17, KLIM Boombox B18, KLIM Boombox B19, KLIM Boombox B20
FCC ID	2AWM4KLIMBOOMBOX

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

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

$P_t = -0.693\text{dBm} = 0.85\text{mW}$

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation $\text{SAR} = (0.85\text{mW} / 5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}] = 0.26 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.