

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Soundcore Life P2, Soundcore Life Note
Model Name	A3919LT, A3908LT
FCC ID	2AOKB-A3919LT

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:

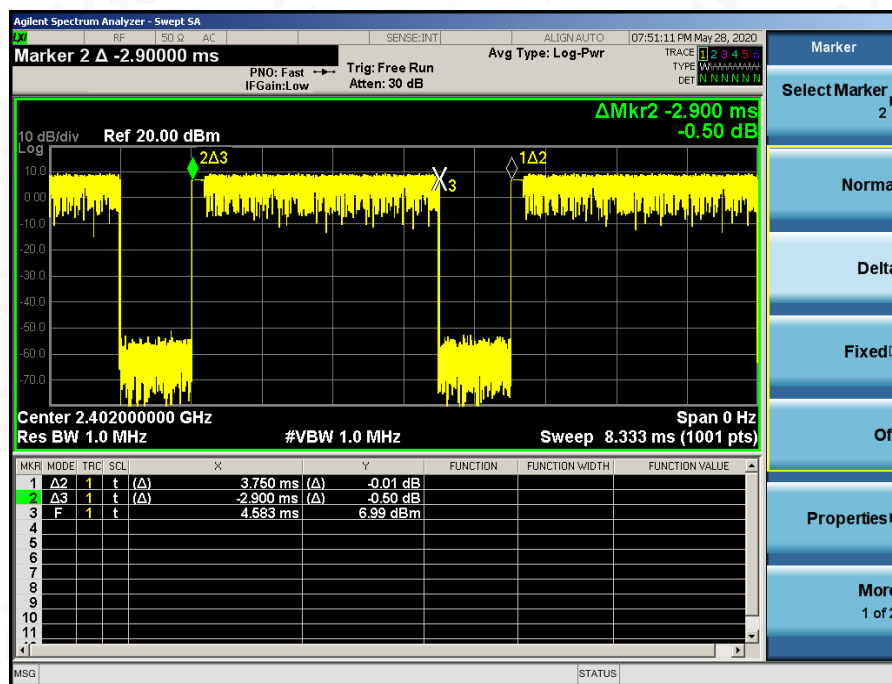
$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

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

BR/EDR:



$$\text{Duty cycle} = 2.900 / 3.750 \times 100\% = 77.33\%$$

$$P_t(\text{avg}) = 9.944 \text{ dBm} \times 77.33\% = 7.69 \text{ dBm} = 5.87 \text{ mW}$$

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 $\text{SAR} = (5.87 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.402(\text{GHz})}] = 1.82 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.





BLE:

$P_t=6.666\text{dBm}=4.64\text{mW}$

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 $\text{SAR}=(4.64\text{mW}/5\text{mm})\cdot[\sqrt{2.480(\text{GHz})}]=1.46<3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

