

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Soundcore Life P2, Soundcore Life Note
Model Name	A3919RT, A3908RT
FCC ID	2AOKB-A3919RT

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:

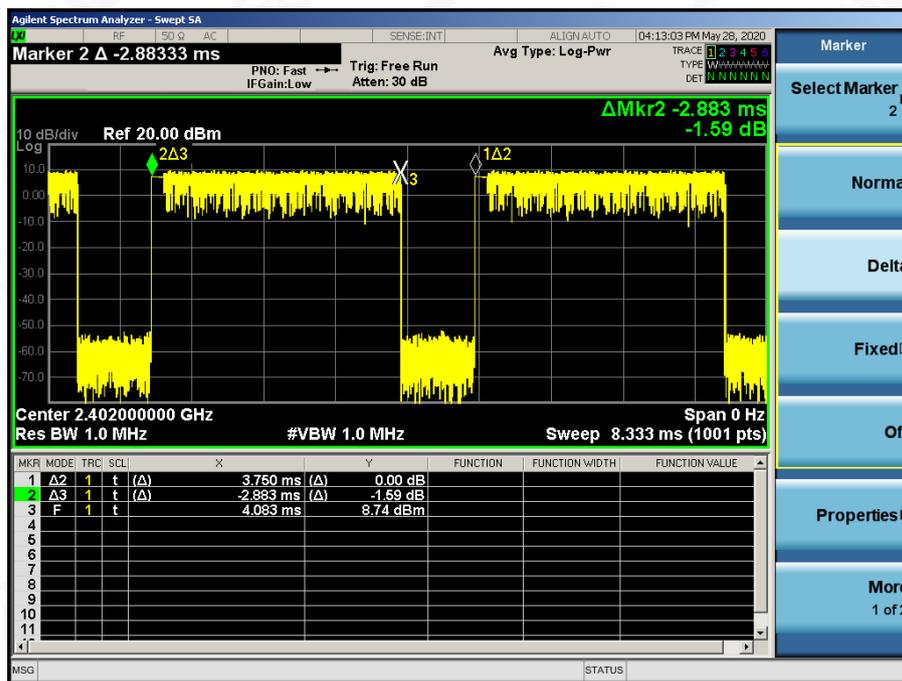
$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

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:



$$\text{Duty cycle} = 2.883 / 3.75 * 100\% = 76.88\%$$

$$P_{\text{avg}} = 10.653 \text{ dBm} * 76.88\% = 8.19 \text{ dBm} = 6.59 \text{ mW}$$

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 $\text{SAR} = (6.59 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.402 (\text{GHz})}] = 2.04 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.





BLE:

$P_t=6.951\text{dBm}=4.96\text{mW}$

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 $\text{SAR}=(4.96\text{mW}/5\text{mm}) \cdot [\sqrt{2.402(\text{GHz})}]=1.54<3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

