

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Soundcore Life Dot 2
Model Name	A3922R
FCC ID	2AOKB-A3922R

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

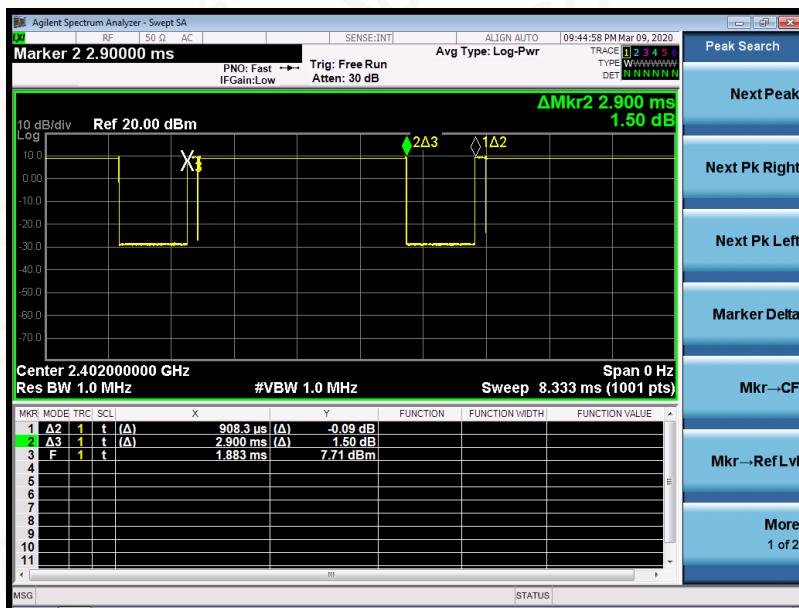
The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

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

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



$$\text{Duty Cycle} = 1.883/2.9 \times 100\% = 64.9\%$$

$$P_t \text{ PK} = 10.892 \text{ dBm} = 12.3 \text{ mW}$$

$$P_t \text{ Avg} = 12.3 \times 64.9\% = 7.98 \text{ mW}$$

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 SAR = $(7.98 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.402(\text{GHz})}] = 2.47 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Note: Only the worst case recorded.

4. CONCLUSION

The SAR evaluation is not required.



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