

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	AIKA Smart Insoles
Model Name	ABC1
FCC ID	2AQTG-ABC1

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 ≤ 5 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 report TEFQ1807292,

The result for RF exposure evaluation

$\text{SAR} = (0.687 \text{mW} / 5 \text{mm}) \cdot [\sqrt{2.48(\text{GHz})}] = 0.216 < 3.0$ for 1-g SAR

4. CONCLUSION

The SAR evaluation is not required.