# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

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|---|---|
| Product Description | Smart Nutrition Scale |
| Model Name | ES-SNG01, ES-SNS01, FT-SNG01, ES-SNG01-W |
| FCC ID | 2APXUES-SNG01 |

## 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:

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

Where f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

## 3. CALCULATION

**BLE:**

$P_t$=-1.700dBm=0.676mW

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=(0.676mW /5mm) .[$\sqrt{2.402GHz}$)]= 0.210<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

## 4. CONCLUSION

The SAR evaluation is not required.