RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Smart Body Fat Scale
Model Name	FI2016BF, FG2016BF, BG2016BF, FI300BF, FG300BF
FCC ID	2AP3Q-FI2016BF

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 ≤ 5 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√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

2.4G WIFI:

P_t=8.11dBm=6.47mW

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=(6.47mW /5mm) .[√2.412(GHz)]=2.01<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE GFSK 1Mbps:

P_t=1.454dBm=1.40mW

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=(1.40mW /5mm) .[√2.402GHz)]= 0.43<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Note: The 2.4GHz WIFI band and BT band cannot transmit simultaneously.

4. CONCLUSION

The SAR evaluation is not required.