RF Exposure Evaluation Statement

Product Name: Smart Body Fat Scale

Model No.： S3 V2.0, Big Plus 2, Big Pro V2.0

FCC ID： 2ALE7-S3

1.1 RF Exposure Compliance Requirement

1.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

1.1.2 Limits

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[17]
-   The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

1.1.3 EUT RF Exposure

Operational Mode: BLE						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power (dBm)	(mW)	Calculated value	Exclusion threshold
2402	-3.08	±1	-2.08	0.62	0.19	7.5
2442	-2.97	±1	-1.97	0.64	0.20	
2480	-3.51	±1	-2.51	0.56	0.18	
Operational Mode: 802.11b（worst case）						7.5
2412	9.65	±1	10.65	11.61	3.61	
2437	9.69	±1	10.69	11.72	3.66	
2462	9.48	±1	10.48	11.17	3.53	
Conclusion: the calculated value ≤7.5, SAR is exempted.						