## FCC RF Exposure

**EUT Description: Massage Chair** 

Model No.: **A18** FCC ID: **2A87X-A18** 

## 1. Limits

According to KDB 447498 D04 General RF Exposure Guidance v01 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:

Result=P/D\*√F

F= the RF channel transmit frequency in GHz

P=Maximum turn-up power in mw

D=Min. test separation distance in mm

## 2. Test Result of RF Exposure Evaluation

	Output	Tune Up	Max Tune	Min test	Result	Limit	SAR Test
	power	Power	Up power	separati			Exclusion
	(dBm)	(dBm)	dBm/mW	on			
				distance			
				mm			
EDR	3.45	3±1(4)	2.512	5	0.779	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2209284345-E**, antenna gain=-0.58dBi

Per KDB 447498 D04, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.779 which is<= 3, SAR testing is not required.

Note: Exclusion Thresholds Results= $[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] <math>\cdot [\sqrt{f_{(GHz)}}]$ 

 $f_{(\text{GHz})}\,\text{is}$  the RF channel transmit frequency in GHz

Distance=5mm