

FCC RF Exposure

EUT Description: Massage chair

Model No.: TOK-D09, TOK-601, TOK-602, TOK-603, TOK-605, TOK-606, TOK-607, TOK-608, TOK-609, TOK-610, TOK-989, TOK-605, TOK-B02, TOK-B01, TOK-B03, TOK-B05, TOK-B06, TOK-B07, TOK-B08, TOK-B09, 6801, 6802, 6803, 6805, 6806, 6807, 6808, 6809

FCC ID: 2A8CH-TOK-D09

1. Limits

According to KDB 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:
$$\left[\frac{\text{max power of channel, including tune - up tolerance, mW}}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0$$
 for 1 - g SAR and ≤ 7.5 for 10 - g extremity SAR,

Where:

Result = $P/D \cdot \sqrt{F}$

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

Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/cm ²)	SAR Test Exclusion
2480	3.69	3 ± 1	4/2.51	5	0.791	3.0	Pass
Note: PK Output power = conducted power. Conducted power see the test report HK2206012388-E , antenna gain = -0.68dBi							

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.791 which is ≤ 3 , RF Exposure testing is not required.

Note: Exclusion Thresholds Results = $\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{(\text{min. test separation distance, mm})} \right] \cdot \sqrt{f(\text{GHz})}$

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

Distance = 5mm