FCC RF Exposure

EUT Description: **Bicycle central assisted motor**
Model No.: **250W-A-1**
FCC ID: **2AX7C-250WA1**

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: [(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:
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

	frequency (MHz)	Output power （dBm）	Tune Up Power （dBm）	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit	SAR Test Exclusion
BLE	2402	3.093	3±1	4/2.512	5	0.779	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report **HK2009232907-E**, antenna gain=0dBi								

Per KDB 447498 D01, 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*)] • [√ $f_{(GHz)}$]

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

Distance=5mm