

# FCC RF Exposure

EUT Description: **Remote control car series**

Model No.: **336-87J, 336-86J, 336-88J, 336-89J, 336-90J, 336-73T, 336-74T, 336-63T, 336-70K, 336-71K, 336-68K, 336-69K, 336-73K, 336-74K, 336-80J, 336-81J, 336-82J, 336-83J, 336-85J, 336-91J, 336-92J, 336-93J, 336-94J, 336-95J, 336-96J, 336-97J, 336-98J, 336-99J, 336-129T, 336-130T, 336-56K, 336-57K, GHD249585, GHD249586, GHD249583, GHD249584, GHD357037, GHD357038, GHD357039, GHD357040, GHD357260**

FCC ID: **2ATYG-SH198333687J**

## 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  $\leq 50$  mm are determined by:  

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

Where:

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

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

### 2.4G

	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	2480	-19.275	-19 ± 1(-18)	0.016	5	0.0050	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2005261129-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 0.0050 which is  $\leq 3$ , SAR testing is not required.

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

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

Distance=5mm