



FCC RF Exposure

EUT Description: Remote Control Toy Series

Model No.: 18003-1, 18001-1, 18002-1, 18004-1, 18005-1, 18006-2, 18007-1, 18003-3, 18003-5, 18003-31, 18003-32, 18003-33, 18004-2, 18006-1, 18006-2, 18008-1

FCC ID: 2BW8H-18003-1

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:

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

2.4GTx:EIRP(dBm)=90.16(dBμV/m)-95.2=-5.04(dBm)

	Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power (mW)	Min test separation distance (mm)	Result	Limit	SAR Test Exclusion
2.4GTx	2470	-5.04	-5±1(-4)	0.398	5	0.125	3.0	Pass

Note:

PK Output power = conducted power.

Conducted power see the test report **DLE-260717008R**, antenna gain = 0.17dBi

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 0.125 which is ≤ 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(GHz) is the RF channel transmit frequency in GHz

Distance = 5mm