



FCC RF Exposure

EUT Description: R\C CAR SERIES

Model No.: J101-1, J101-2, J101-3, J101-4, J101-5, J101-6, J101-7, J101-8, J101-9, J101-10, J101-11, J101-12, J101-13, J101-14, J101-15, J102-1, J102-2, J102-3, J102-4, J102-5, J102-6, J102-7, J102-8, J102-9, J102-10, J102-11, J102-12, J102-13, J102-14, J102-15, J201-1, J201-2, J201-3, J201-4, J201-5, J201-11, J201-12, J201-13, J201-14, J201-15, J301-1, J301-2, J301-3, J301-4, J301-5, J301-6, J301-11, J301-12, J301-13, J301-14, J301-15, J301-16, J501-1, J501-2, J501-3, J501-4, J501-5, J501-6, J501-7, J501-8, J501-9, J501-10, J502-1, J502-2, J502-3, J502-4, J502-5, J502-6, J502-7, J502-8, J502-9, J502-10, J601-1, J601-2, J601-3, J601-4, J601-5, J601-6, J601-7, J601-8, J601-9, J601-10, J601-11, J601-12, J601-13, J601-14, J601-15, J601-16, J601-17, J601-18, J601-19, J601-20, J601-21, J601-22, J601-23, J601-24, J601-25, J601-26, J601-27, J601-28, J601-29, J601-30, J701-1, J701-2, J701-3, J701-4, J701-5, J701-6, J701-7, J701-8, J701-9, J701-10, J801-1, J801-2, J901-1, J901-2, J901-3, J901-4, J901-5

FCC ID: 2BV58-J101-1

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:

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

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)=95.54(dBμV/m)-95.2=0.34(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	2405	0.34	0±1(1)	1.259	5	0.390	3.0	Pass

Note:

PK Output power= conducted power.

Conducted power see the test report DLE-260819015R, antenna gain = 0.97dBi

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 0.390 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