

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	RC Car
Test Model	LH-C030
Series Model	LH-C013, LH-C014, LH-C015, LH-C016, LH-C017, LH-C018, LH-C019, LH-C020, LH-C021, LH-C022, LH-C023, LH-C024, LH-C025, LH-C026, LH-C027, LH-C028, LH-C029, LH-C031, LH-C032, LH-C033, LH-C034, LH-C035, LH-C036, LH-C037, LH-C038, LH-C039, LH-C040, LH-C041, LH-C042, LH-C043, LH-C044, LH-C045, LH-C046, LH-C047, LH-C048
FCC ID	2AJGILHC030

2. EVALUATION METHOD

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

Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

$$P_t = -5.927 \text{ dBm} = 0.26 \text{ mW}$$

The value of the Maximum output power P_t is referred to the test report of the CFR47

§15.247.

The result for RF exposure evaluation $\text{SAR} = (0.26 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.475(\text{GHz})}] = 0.08 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.