



RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	RC TOYS
Test Model	S-011
Series Model	S-001 S-002 S-002WVR, S-003 S-003W, S-005 S-008 S-009, X-010, X-011 X-012, X-013A, S-013A, S-011 X-015, S-015, S-016, X-016, S-018, X-018
FCC ID	2AVXUS-011

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

$$P_t = -2.450\text{dBm} = 0.57\text{mW}$$

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 $\text{SAR} = (0.57\text{mW} / 5\text{mm}) \cdot [\sqrt{2.4732(\text{GHz})}] = 0.18 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

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