

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	RC TOYS
Model Name	F8
Series Model	X-PACK 10, YD-218, YD-927, YD-938, YD-118, YD-711, YD-718, YD-615, YD-613, YD-115, YD-001, YD-003, YD-211, YD-211S, YD-216, F1, F2, F3, F4, F5, F6, F7, F9, F10, F11, F12, F13, F15, F16, F17, F18, F19, F20, P01, P02, P03, P04, P05, P06, P07, P08, P09, P10, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99
FCC ID	2AEVN0754927

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

$$P_t = -7.837 \text{ dBm} = 0.16 \text{ mW}$$

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 $\text{SAR} = (0.16 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.477(\text{GHz})}] = 0.05 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.