

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	CHILDS VEHICLES
Test Model	QX-7866
Series Model	QX-7993, QX-7993-1, QX-7995, QX-7996, QX-7997, QX-7998, QX-7800, QX-7811, QX-7822, QX-7822-1, QX-7833, QX-7833-1, QX-7844, QX-7855, QX-7877, QX-7877A, QX-7888, QX-7888A, QX-7899, QX-7899A, QX-7344, QX-7355, QX-7366, QX-7377, QX-7388, QX-7399, QX-7396, QX-7397, QX-7398, QX-7411, QX-7411-3, QX-7577, QX-7577-3, QX-7588, QX-7588-3, QX-7622, QX-7633, QX-7722, QX-7755, QX-7788, QX-7799, QX-7799-3, QX-7900, QX-7911, QX-7922, QX-7933, QX-7955, QX-7966, QX-7977, QX-7988, QX-7990, QX-7991, QX-7992, QX-7600, QX-7611, QX-633017, QX-8337, QX-2040, QX-2041, TQ10009, TQ10010, TQ10011, TQ10012, TQ10014, TQ10026, QX-800, QX-33018, QX-601, QX-602, 801BM, 802BM, 803BM, 805BM, 801S, 802S, 803S, 805S, QX-201, QX-202, 806BM, 807BM, 808BM, 809BM, 810BM, 811BM, 812BM, 813BM, QX-2005, QX-2006, 806S, 807S, 808S, 809S, 810S, 811S, 812S, 813S, QX-310/4, QX-410/4
FCC ID	2A5VNQX-7866

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

$$P_t = -4.504 \text{ dBm} = 0.35 \text{ mW}$$

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 $\text{SAR} = (0.35 \text{ mW} / 5 \text{ mm}) \cdot [\sqrt{2.477(\text{GHz})}] = 0.11 < 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

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