

RF EXPOSURE EVALUATION

1	1. PRODUCT INFORMATION	
	Product Description	Multi-mode wireless keyboard
	Model Name	E6050M
	Series Model	E9500M, E9100M
	FCC ID	PP23079

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 \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,

mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Where f(GHz) is the RF channel transmit frequency in GHz

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

3. CALCULATION

2.4GHz:

Pt=-0.984dBm=0.80mW

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 SAR=(0.80mW / 5mm).[$\sqrt{2.402GHz}$)]=0.248<3.0 for

BLE:

Pt=0.042dBm=2.28mW

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 SAR=(2.28mW / 5mm).[$\sqrt{2.480GHz}$)]=0.013<3.0 for

4. CONCLUSION

The SAR evaluation is not required.

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