

7. RF Exposure Requirements

7.1 Test Equipment

Please refer to Section 10 this report.

7.2 Limit

According to FCC 15.247(e)(i) and FCC 1.1307(b)(1), Systems operating under provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commissions guidelines.

According to KDB 447498 D01 General RF Exposure Guidance v06, section 4.3.1

SAR Test Exclusion Thresholds for 100 MHz-6GHz and $\leq 5\text{mm}$

Frequency Range		Maximum measured transmitter power frequency(MHz)	SAR Limitation (mW)
Low Frequency(MHz)	High Frequency(MHz)		
2402	2480	2480	10

7.3 Test Result

Product : RAZOR QUAD BT MUFF
 Test Item : RF Exposure
 Test Voltage : DC 3V
 Test Result : **PASS**

Test Mode : Bluetooth 4.0 LE
 Temperature : 25 °C
 Humidity : 56%RH

RF Exposure Requirements	Compliance with FCC Rules
EIRP=$P \times G$ Where: P=Power input to antenna G=Power gain of the antenna relative to an isotropic radiator	Maximum output power at antenna input terminal: $-0.26\text{dBm} = 0.94\text{mW}$ (Bluetooth 4.0 LE, 2480MHz) Prediction distance: $\leq 5\text{mm}$ Antenna gain : -0.61dBi SAR Test Exclusion Threshold is 10mW Bluetooth 4.0 LE : 0.82mW The max. output power E.I.R.P < 10mW Conclusion: No SAR is required.