

## 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 v05, section 4.3.1

SAR Test Exclusion Thresholds for 100 MHz-6GHz and  $\leq 50\text{mm}$

Frequency Range		Maximum measured transmitter power frequency(MHz)	SAR Limitation (mW)
Low Frequency(MHz)	High Frequency(MHz)		
2412	2462	2412	10

### 7.3 Test Result

Product : MID  
Test Item : RF Exposure  
Test Voltage : DC 5V  
Test Result : **PASS**

Test Mode : IEEE 802.11b/g/n  
Temperature : 25 °C  
Humidity : 56%RH

**FCC ID: Y5KW010R-1**

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: 10.88 dBm = 12.25 mW (802.11b/g, 2412MHz) 6.96 dBm = 4.97 mW (802.11n, 2422MHz) Prediction distance: $\leq 50\text{mm}$ Antenna gain : -3.0 dBi SAR Test Exclusion Threshold is 10 mW  802.11b/g: 6.14 mW 802.11 n : 2.49 mW The max. output power E.I.R.P < 10 mW Conclusion: No SAR is required.